

## STIC Search Report Biotech-Chem Library

## STIC Database Trees in

TO: Pablo Whaley

Location: rem/4C35/2C70

**Art Unit: 1631** 

Friday, March 24, 2006

Case Serial Number: 10/509595

From: Toby Port

**Location: Biotech-Chem Library** 

**REM-1A59** 

Phone: 571-272-2523

toby.port@uspto.gov

## Searon Notes

**Examiner Whaley,** 

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Toby Port X22523



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Result
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Maximum Match 10
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SOURCE ORGANISM RESULT 1 HS454G6/c KEYWORDS VERSION ACCESSION DEFINITION POCUS HTG;

ALIGNMENTS

REFERENCE AUTHORS TITLE JOURNAL

COMMENT

Divaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.

CE 1 (bases 1 to 79376)

RS Pavitt, R.
Direct Submission

AL Submitted (13-MAY-2005) Wellcome Trust Sanger Institute, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries: vega@sanger.ac.uk

Clone requests: clonerequest@sanger.ac.uk

Cn Peb 14, 1998 this sequence version replaced gi:2465060.

The following abbreviations are used to associate primary accession numbers given in the feature table with their source databases:

Em:, EMBL; Sw:, SWISSPROT; Tr:, TERMBL; Wp:, WORMPEP; Information on the WORMPEP database can be found at http://www.sanger.ac.uk/Projects/C\_elegans/wormpep This sequence was generated from part of bacterial clone contigs of human chromosome 1, constructed by the Sanger Centre Chromosome 1 Mapping Group. Further information can be found at http://www.sanger.ac.uk/HGP/Chr1

RP3-4366 is from the library RPCI-3 constructed by the group of Pieter de Jong. For further details see http://www.chori.org/bacpac/home.htm Center code: SC
Web site: http://www.sanger.ac.uk
Contact: vega@sanger.ac.uk 19376 bp DNA linear PRI 18-MAY-2005 Human DNA sequence from clone RP3-45466 on chromosome 1g24 Contains the 3' end of the gene for HBxAg transactivated protein 2 (XTP2) and the MYOC gene for myocilin, trabecular meshwork inducible glucocorticoid response, complete sequence. Center: Wellcome Trust Sanger Institute Homo sapiens VECTOR: pCYPAC2 Homo sapiens (human) Z98750.1 GI:2887277 XTP2. glucocorticoid; HBxAg; MYOC; myocilin; transactivated protein --- Genome Center

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FEATURES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Join(AL021579.1:97320. .97468, AL021579.1:97895. .97997, AL021579.1:98625. .98751,1612. .1660,2047. .2683)
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1561 GRACCGACTCATTTCCTAGGCCGTTAATTCACGGAAGAAGTGACTGGAGTCTTTTCTTT	Qy 481 CTTTCTTCCCTCATCTCACGCTAAGTTACCATTTTATTCACCATGCTTTTGTG 540	
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1441 CTGCTTGGAGGAGAAGAACTCTATTTCATGAAGGGATGCAGTTTCATAAAGTCACCTGTT	Qy       361       TTGAATGGTTTACTAAACCAACAGGGAAACAGACAAAAGCTGTGATAATTTCAGGGATTC 420	п ^
1381 AGTGTTGTTCACGGGGCTGGGAGTTTTCCGTTGCTTCCTGTGAGCCTTTTTATCTTTTCT	Qy 301 TGGGATTACAGGCATGAGTCACCGCGCCCGGCCAAGGGTCAGTGTTTAATAAGGAATAAC 360   Db 66891 TGGGATTACAGGCATGAGTCACCGCCCCGGCCAAGGGTCAGTGTTTAATAAGGAATAAC 360   Db	н ^
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1261 GCCTCCACGTCCAGGAGAATTCCAGGAGGTGGGGACTGCAGGAGTGGGGACGCTGGGGG	QY 181 ACAGGCGCACGCCCGGCTAATTTTTGTATTGTTAGTAGAGATGGGGTTTCACCATATTAG 240	
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1081 CTTCCAAGCCTCCTCCATCAGTCACAGCGCTGCAGCTGGCCTGCCT	OY 1 GCTCCACAGGAAGTCTCCCCACTCTAGACTTCTGCATCACGATGTTACAGCCAGAAGCTC 60	_
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841 TCTGCCAGACACCAGAGACAAAATGGTGAGCAAAGCAGTCACTGCCCTACCTTCGTGGAG 	₽ (	
	polyA_site 3971   Db //gene="RP4-598F2.1"   Db //gene="RP4-598F2.1-001"   Db //gene="RP4-598F2.1	

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63171	63231	Oy 3961 CCAG	3841 63351	Qy 3781 GT	3721 63471	Qy 3661 AGCA:      Db 63531 AGCA:	Qy 3601 GCTG      Db 63591 GCTG	63651	3481 63711	3421 63771	63831	63891	3241 63951	64011	64071	64131	Qy 3001 AGTCC
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4921 ATTAGTGGTTCAGAGTTCTTGTGCCCCTCCATGTCAGTCCAGTCCATAGCAAAAGG 4980	AGGAGGTTGGAAAGCAGCAGGCAGGAGGTAGCAAGGCTGAGAAAGGGGCCAGTGTCCCCAG		4081 AGCAGAGCTTTCCAGAGGAAGCCTCACCAAGCCTCTGCAATGAGGTTCTTCTGTGCACGT 4140
RESULT 2 ACC24490 LOCUS DEFINITION ACCESSION VERSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS JOURNAL	B & B & B & B & B & B & 8	B & B & B & B & B & B	8 8 8 8 8
ACC24490 ACC24490 ACC24490 ACC24490 ACC24490 SEQUENCE, 28 unordered pieces. NA ACC24490.3 GI:8076950 ACC24490.3 GI:8076950 HTG; HTGS_PHASE1; HTGS_DRAFT. Homo sapiens (human) SM Homo sapiens (human) Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Butheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo. SI (bases 1 to 170425) Birren,B., Linton,L., Nusbaum,C. and Lander, E. Homo sapiens chromosome 1, clone RP11-138F3	5701 AGGITIGGGATAACTGAGGCAAITTGACTGCTCATTATTATGTTACTGTATTAATGTTCA	5401 TGTTCGGGGAAGGTCTTCTTATAGGTGAAGATGTTCTATATGTGTGAAAGAATAAGGAAGAAAAAAGGCTATGTTGTGAAAG 5460 61791 TGTTGGGGAAGGTCTTCTTATTAGCTGGGAAGATGGTATTTGTGTCACTTTTTTTGTAAAG 5461 TGGGCTCCCAAATATTCCCTGTTGAGGAAGATGTTCTAATCATGAGGAAATAAGCAAGC	

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Submitted (28-PBB-2000) Whitehead Institute/MIT Center for Genome Submitted (28-PBB-2000) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA On May 25, 2000 this sequence version replaced gi:7249345. All repeats were identified using RepeatMasker: Smit, A.F.A. & Green, P. (1996-1997) http://ftp.genome.washington.edu/RM/RepeatMasker.html
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Center code: WIRR
Web site: http://www-seq.wi.mit.edu
Contact: sequence submissions@genome.wi.mit.edu
Contact: sequence submissions@genome.wi.mit.edu
Center project Information
Center project name: L1153
Center clone name: 138 F 3
Center clone name: 158 F 3

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1300: contig of 1300 bp in length
1400: gap of 100 bp
2412: contig of 1012 bp in length
2512: gap of 100 bp
4147: contig of 1635 bp in length
4247: gap of 100 bp
5455: contig of 1208 bp in length
5555: gap of 100 bp
6997: contig of 1442 bp in length
7097: gap of 100 bp
8534: contig of 1437 bp in length
8634: gap of 100 bp
10164: contig of 1530 bp in length
10264: gap of 100 bp
10487: contig of 223 bp in length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         note="assembly_fragment"
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/clone_lib="RPCI-11 Human Male BAC"
                                                                                            note="assembly_fragment"
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                                      estimated_length=100
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170425:
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36225:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2: contig of 9582 bp in length
2: gap of 100 bp
3: contig of 10794 bp in length
3: gap of 100 bp
3: contig of 15432 bp in length
4: gap of 100 bp
5: contig of 17177 bp in length
6: contig of 17177 bp in length
7: gap of 100 bp
7: gap of 100 bp
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gap of 100 bp
contig of 16348 bp in length
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contig
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gap of
contig
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contig of 2706 bp
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of 100 bp
ig of 9592 bp in length
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f 100 bp
g of 7690 bp
f 100 bp
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f 100 bp
g of 3621 bp
f 100 bp
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f 100 bp
of 2323 bp
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g of 3360
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of 2322 bp in length
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2323 bp
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Db 65265 Trobarostradaccadadadadadadadadadadaratritili	TTGAATGGTTTACTAAACCAACAGGGAAACAGACAAAAGCTGTGATAATTTCAGGGATTC 420	Qy 301 TGGGATTACAGGCATGAGTCACGGCCCGCCCAAGGGTCAGTGTTTAATAAGGAATAAC 360	QY 241 CCCGGCTGGTCTTGAACTCCTGACCTCAGGTGATCCACCCAC	Oy 181 ÀCAGGCGCACGCCCGCTAATTTTGTATTGTTAGTAGAGATGGGGTTTCACCATATTAG 240	Qy 121 AACCTCTGCCTGCCAAGGTTCAAGCAATTCTCCTGTCTCAGGCTCCGGGTAGCTGGGACT 180	Oy 61 CGTGAGGGTGAGGGTCTGTGTCTTACACCTACCTGTATGCTCTACACCTGAGCTCACTGC 120	CATCACGATGTTACAGCCAGI            CATCACGATGTTACAGCCAGI	Query Match 99.5%; Score 5972; DB 14; Length 170425; Best Local Similarity 99.8%; Pred. No. 0; Matches 5990; Conservative 0; Mismatches 10; Indels 2; Gaps 1;	gap /estimated_length=100	vecto; 26138, /estin	isc_feature	misc_feature 2017223531	JADES JADES JACKS	/estimated_length=100 sc_feature 1736620071	misc_feature		/SGITMAREC LENGTH=100 misc_feature 125211843 /note="sseembly fragment"	/note="assembly_fragment" gap 12421. 12520 //action_fragment"	gap 1048810587 /estimated_length=100 misc_feature 1058812420	'	/note="assembly_fragment"  gap
QY 1501 AAAATTCCAGGGTGTGCATGGGTTTTCATGAAGGCTTTTATTTA	1441 CTGCTTGGAGGAGAAGATCTATTTCATGAAGGGATGCAGTTTTCATAAAGTCAGCTGTT	Qy 1381 AGTGTTGTTCACGGGGCTGGGAGTTTTCCGTTGCTTCCTGTGAGCCTTTTTATCTTTTCT 1440	OY 1321 TGAGCGGGTGCTGAAAGGCAGGAAGGGCAAGGCTGAAGCTGCAGATGTTC 1380	1261 66165	Qy 1201 AGAGGGAAACTAGTCTAACGGAGAATCTGGAGGGGACAGTGTTTCCTCAGAGGGAAAGGG 1260	QY 1141 AATCGTCCTGGTGCATCTGAGCTGGAGACTCCTTGGCTCCAGGCTCCAGAAAGGAAATGG 1200	Db 65985 CTTCCAAGCCTCCTCCTCATCAGTCACAGCGCTGCAGCTGGCCTGCCT	Db 65925 GGCCACCTCCCTAGCGCCCCCTGCTGCCTCCATCGTGCCCGGAGGCCCCCAAGCCCCAAGT 65984	•	Db 65805 GTGACAGTTTCTCATGGAAGACGTGCAGAAAAATTAATAGCCAGCC	6.	65685 ATTTCTTGTTGACTCGTTCATTCATCCAGGCATTCATTGACAATTTATTGAGTACTTATTA			65565 AGGTTTCCTCTCCAGCTGGGGGAGCCCTGCAAGCACCCGGGGTCCTGGGTGTCCTGAGCA	Oy 661 AGGTTTCCTCCAGCTGGGGGAGCCCTGCAAGCACCCCGGGGTCCTGGGGTGTCCTGAGCA 720	65505 TCTGTGTGTATAGGGGAGGAGGCATACCCCAGAGACTCCTTGAAGCCCCCGGCAG	601 TCTGTGTGTGTATAGGGGAGGGAGGGCATACCCCAGAGACTCCTTGAAGCCCCCGGCAG	Qy 541 GTAAGCCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAGTTCCATTTTGGGGCCA 600	Db 65385 CTTTCTTCCCTCATCCTCATTTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTGTG 65444	65325 TTGGGATGGGGAATGGTGCCATGAGCTGCCTAGTCCCAGACCACTGGTCCTCATCA

3661 AGCATAGTGCCTGGCACAGTGCAGGTTCTCAATGAGTTTGCAGAGTGAATGAA	₽ <b>%</b>	TCAAGCCTAGGTCTTGCTGACTATATGATTGGTTTTTTGAAAAATCATTTCAGCGATGTT 2640	2581 TCAA      67485 TCAA
	g 49	AGGGCAATCCCGTTTCTTTAACAGGAAGAAAACATTCCTAAGAGTAAAGCCAAACAGAT 2580 	2521 AGGG      67425 AGGG
	B 8	GTAAGATTACTTAGTTTCTCCTTATTAGGAACTCTTTTTCTCTGTGGAGGTTAGCAGCACA 2520	2461 GTAA      67365 GTAA
	? B &	TATATTTTTCCTTTACAAGCTGAGTAATTCTGAGCAAGTCACAAGGTAGTAACTGAGGCT 2460 	2401 TATA      67305 TATA
	D Q	GCTATATTGTGGGGGGAAAAAATCAGTTCAAGGGAAGTCGGGAGACCTGATTTCTAATAC 2400	2341 GCTA      67245 GCTA
	p &	on N	2281
3301 TAATCATATTTCATTATCATTTGTTTCCTTTGTATCTATATTTTATATATA	B 8		2221 7125
3241 TCCTGCTGGATCTTGTTTTTAACATATTAATAAAATGTTTAAAATTTTGAATTTTGA 	р <i>Q</i>	TGACCAGCACCCCACGCAGCTCAGCAGTGACTGCTGACAGCACGGAGTGACCTGCAGCGC 2220	2161 TGAC      67065 TGAC
9=9	p 99	GCATTCAAAAACTGGGCCAGAGCAAGTGGAAAATGCCAGAGATTGTTAAACTTTTCACCC 2160 	2101 GCAT      67005 GCAT
3121 ACAGTACCTGTGATTTTGTCATTACCAATAGAAATCACAGCACTTTATACTATATTACA	g Qy		2041
3061 CTARCTARATTTARCATTTTATTCCATTGCGARIAGGCCATAAGCTCGARAGTGGTARTA	g Qy	CAATGCTTCAGGAAAGCTCAATGAACCCAACAGCCACATTTTCCTTCC	1981 CAAT
	B &	CAGAAGCTGGGTGCTCCATCAGTCCTCACTGATCACGTCAGACTCCAGGACCGAGAGGCCA 1980	1921 CAGA      66825 CAGA
	' 문 동	AAGGAGGCAGAGCTGGAGCCTGAGCCACAGGGGAGGTTGGAGGGGGGACAGGAAGGCAGG 1920 	1861 AAGGJ      66765 AAGGJ
	?	GCTCTCGTGTTCTGTGAACACTTCCCTGTGAATTCTCTGTGAGGGGGGGG	1801 GCTC      66705 GCTC
	S B &	CGTGGGCAAGTGTCTCCCTTCCCTGGGCCATAGTCTTCTCTGCTATAAAGACCCTTGCA 1800 	1741 CGTGG      66645 CGTGG
	S B 7	AACCITGGAATCAGGAGACTCGGTTITCTTTCTGGTTCTGCCATTGGTTGGCTGTGCGAC 1740	1681 AACC
	S B 8	CATGTCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTATGCAAGACGGTCGAA 1680	1621 CATG
2071 THE TABLE TO THE TENENT OF THE TABLE TO THE TABLE TH	S B &	GAAGCGAGCTCATTTCCTAGGCCGTTAATTCACGGAAGAAGTGACTGGAGTCTTTTCTTT 1620 	1561 GAAGO      66465 GAAGO
	?	AAAATTCCAGGGTGTGCATGGGTTTTCCTTCACGAAGGCCTTTATTTA	66405 AAAA

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4741 GGGGACTCTGAGTTCAGCAGGTGATATGGCTCGTAGTGACCTGCTACAGGCGCTCCAGGC 4800		4 0	4561 GACAAGTCAGTTCTGGAGGAAGAAGAAGAAGCGACTAAGGCAAGAAAATGAGAATCTGGCC 4620		4441 GCCAGGCCCCAGGAGACCCAGGAGGGGGCTGCAGAGGGAGCTGGGCACCCTGAGGCGGAG 4500	4381 ACCAAAGCTCGACTCAGCTCCCTGGAGAGCCTCCTCCACCAATTGACCTTGGACCAGGCT 4440	4321 ATGTCAGTCATCCATAACTTACAGAGAGACAGCAGCACCCAACGCTTAGACCTGGAGGCC 4380	4261 CAGTATACCTTCAGTGGCCAGTCCCCAATGAATCCAGCTGCCCAGAGCAGAGCCAGGCC 4320	4201 TGGGATGTGGGGGCCAGGACAGCTCAGGTCAGGAAGGCCAATGACCAGAGTGGCCGATGC 4260	4141 TGCTGCAGCTTTGGGCCTGAGATGCCAGCTGTCCAGCTGCTTCTGGCCTGCCT	A 0		3961 CCAGCCTCACCTGGCCACCTCTGTCTTCCCCCATGAAGGGCTGGCT	3901 GGTTATTTTCTAAGAATCTTGCTGGCAGCGTGAAGGCAACCCCCCTGTGCACAGCCCCAC 3960	3841 GTATGGGTGCATAAATTGGGATGTTCTTTTTAAAAAGAAACTCCAAACAGACTTCTGGAA 3900 	3781 GTGTGTGTGTGTGTGTGTGTGTAAAACCAGGTGGAGATATAGGAACTATTATTGGG 3840 	3721 ACTAGAAATATATCCTTGTTGAAATCAGCACACCAGTAGTCCTGGTGTAAGTGTGTGT
Q B Q	Db Qy	Db Qy	B &	D Q	B &	B 8	р <i>Q</i>	p Q	B &	Db Qy	B &	Q Q	g	Db Qy	dg Qy	₽ <b>.</b> \$	gg
5819 GATACATGCTTAAGTACCCAGGGTGAGGCGTCAGGATGTCTGCAAATTGCTCTCAAATGG 5878	5759 CAGTITCTIGGTGAGATAATGATACTGTGGTTGCGAAGGATAAAATCTTIGTTCTATGGA 5818 	5699 ACAGGITTGGGATAACTGAGGCAATTTGACTGCTCATTATTATGTTACTGTATTAATGTT 5758 	5639 AAATGTAGTGCATGAGTCTTGATTGGTGTCTTCATCCAAGGGGGAAAAAGGCTATGAGGA 5698 	5579 GAAAAAGGGGTGGGGAAGGGCTTGTTCTATATTAAAGAGACTAAAGAAATGTGTTAACC 5638 	5519 AAATCCAGTTGTTGGACAATTAGTTTGGACTGGTCAAAGATGTCAGTGCCAAGGAAGAAA 5578 	5459 AGTGGGCTCCCAAATATTCCCTGTTGAGGAAGTGTTCTAATCATGAGGAAATAAGCAAGC	5399 GGTGTTGGGGGAGGTCTTCTTATTAGCTGGGAAGATGGTATTTGTGTCACTTTTTTGTGAA 5458 	5341 CTGGTCCCTTCTTGCCTAAAGGTGAGTCTGTGTGTGTGTG	5281 CTTTTAAGTCATCAGACAAATTCTTGAGATGGCTTTTTCTGAGAGGCTCTTCTGTTCATC 5340	5221 CAGTTTTCTTAATATGTTGTTCTGAAAGTTTTCTTACTCAGTCCAATCTGAGAACCTCTG 5280	5161 AGTTTTTGTTTATATTTTAAATGTTCCTTGGCAAAATAAAGAGATGGCACCTCTCTGT 5220	5101 TGTTAAAATGACCTTTATTATGAAATTACAATAGATTTGGGAAATGATAATAAGTGGTA 5160 	5041 CCCTTTTGAAAACTATCCTTTTTTGAACCTTTGCTCAGATTGTTATTTGTACCTTTTGA 5100 	4981 AGAAATAAAAGACCGGGTGAGATGTCTCGCATATGAGCAGTAGAAAGTTGTCAATTGT 5040	ATTAGTGGTTCAGAGTTCTTGTGCCCCTCCATGTCAGTTTTCACAGTCCATAGCAAAAGG	4861 AANGCACKGGGATCACCTTCAAGIATTACCTAGTAATTTAGCTCCTGAGAGCTTCATTTAG 4920	705 CTCCCTGCCCTTTCTCCTAGAGACTGCACAGCTAGCACAAGACAGATGAATTAAGG

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541 GTAAGCCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAGTTCCATTTGGGGCCA	481 CTTTCTTCCCTCATCCTCATTTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTTGTG	Qy 421 TTGGGATGGGGAATGGTGCCATGAGCTGCCTGCCTAGTCCCAGACCACTGGTCCTCATCA 480	Qy 361 TTGAATGGTTTACTAAACCAACAGGAAAACGGACAAAAGCTGTGATAATTTCAGGGATTC 420	QY 301 TGGGATTACAGGCATGAGTCACCGCGCCCAGGGTCAGTGTTTAATAAGGAATAAC 360	Qy 241 CCCGGCTGGTCTTGAACTCCTGACCTCAGGTGATCCACCCAC	Qy 181 ACAGGCGCACGCCCGGCTAATTTTTGTATTAGTAGAGATGGGGTTTCACCATATTAG 240	OY 121 AACCTCTGCCTCCCAGGTTCAAGCAATTCTCCTGTCTCAGCCTCCGGGTAGCTGGGACT 180	OY 61 CGTGAGGGTGAGGGTCTGTGTCTTACACCTACCTGTATGCTCTACACCTGAGCTCACTGC 120	QY 1 GCTCCACAGGAAGTCTCCCCACTCTAGACTTCTGCATCACGATGTTACAGCCAGAAAGCTC 60	Query Match 81.5%; Score 4888.8; DB 6; Length 6169; Best Local Similarity 99.8%; Pred. No. 0; Matches 4949; Conservative 0; Mismatches 2; Indels 9; Gaps 5;	source 1. 6169 /organism="unknown" /mol_type="unassigned DNA" ORIGIN	TITLE Methods for the diagnosis, prognosis and treatment of glaucoma and related disorders  JOURNAL Patent: US 6171788-A 3 09-JAN-2001;		ION AR123665 GI:14109026  DS Throng	AR123665		70845 AAATATTAATAACTGGTGAATTACAAACTGGTGAATCTAAGTATATGGGGAGCTTATTGT	Db 70785 TTGAAGAAAGACTGCAAATATATAGATAATGAGAGAAAGGAAAGGTAAAACAACTGTGGCA 70844 Oy 5939 AAATATTAATAACTGGTGAATTACAAACTGGTGAATCTAAGTATATGGGGAGCTTATTGT 5998
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Patent: JP 200159669-A 3 24-JUL-2001;

Patent: JP 200159669-A 3 24-JUL-2001;

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

OS Unidentified

PN JP 2001509669-A/3

PD 24-JUL-2001

PF 09-JAN-1998 JP 1998532017

PF 09-JAN-1997 US 08/791154,26-SEP-1997 US

THAI D NGUYEN, JON R POLANSKY, PU CHEN, HAA CHEN PC

CI2N15/12,C12Q1/68,C07K14/47,A61K31/70

CC Strandedness: Single;

CC Methods for the diagnosis, prognosis and treatment of glaucoma

CC Methods for the diagnosis, prognosis and creatment of glaucoma

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Location/Qualifiers

FH Key

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1381 AGTGTTGTTCACGGGGCTGGGAGTTTTCCGTTGCTTGCTGTGAGCCTTTTTATCTTTTCT 1440	1321 TGAGCGGGTGCTGAAAGGCAGGAAGGTGAAAAGGGCAAGGCTGAAGCTGCCCAGATGTTC 1380	1261 GCCTCCACGTCCAGGAGAATTCCAGGAGGTGGGGACTGCAGGGAGTGGGGACGCTGGGGC 1320	1201 AGAGGGAAACTAGTCTAACGGAGAAATCTGGAGGGGACAGTGTTTCCTCAGAGGGAAAGGG 1260 	1141 AATCGTCCTGGTGCATCTGAGCTGGAGACTCCTTGGCTCCAGGCTCCAGAAAGGAAATGG 1200	1081 CTTCCAAGCCTCCTCCATCAGTCACAGCGCTGCAGCTGGCCTGCCT	1021 GGCCACCTCCCTAGCGCCCCCTGCTGCCTCCATCGTGCCCGAGGCCCCCAAGCCCGAGT 1080	961 GTGCTGAAAGAAAGGAAATAAACACCATCTTGAAGAATTGTGCGCAGCATCCCTTAACAA 1020 	901 GTGACAGTTTCTCATGGAAGACGTGCAGAAGAAAATTAATAGCCAGCC	841 TCTGCCAGACACCAGAGACAAAATGGTGAGCAAAGCAGTCACTGCCCTACCTTCGTGGAG 900	781 ATTTCTGTGTGACTCGTTCATTCAGCCAGCATTCATTGACAATTTATTGAGTACTTATA 840	721 ACCTGCCAGCCCGTGCCACTGGTTGTTTTGTTATCACTCTCTAGGGACCTGTTGCTTTCT 780	661 AGGITICCTCTCCAGCTGGGGAGCCCTGCAAGCACCCGGGGTCCTGGGTGTCCTGAGCA 720	601 TCTGTGTGTGTGTATAGGGGAGGGGATACCCCAGAGACTCCTTGAAGCCCCCGGCAG 660	541 GTAAGCCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAGTTCCATTTGGGGCCA 600	481 CTTTCTTCCCTCATCCTCATTTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTGTG 540	421 TTGGGATGGGGAATGGTGCCATGAGCTGCCTAGTCCCAGACCACTGGTCCTCATCA 480	
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3676 GTAAGATTACTTAGTTTCTCCTTATTAGGAACTCTTTTCTCTGTGGAGTTAGCAGCACA 2320 3676 GTAAGATTACTTAGTTTCTCCTTATTAGGAACTCTTTTTCTCTGTGGAGTTAGCAGCACA 3735 2521 AGGGCAATCCCGTTTCTTTTAACAGGAAGAAAACATTCCTAAGAGTAAAGCCAAACAGAT 2580	2401 TATATTTTTCCTTTACAAGCTGAGTAATTCTGAGCAAGTCACAAGGTAGTAACTGAGGCT 2460	2341 GCTATATTCTGGGGGGAAAAATCAGTTCAAGGGAAGTCGGGAGACCTGATTTCTAATAC 2400	2281 GGCAGTGGGAATTGACCACAGGATTATAGTCCACGTGATCCTGGGTTCTAGGAGGCAGG 2340	2221 AGGGAAGAAAAAAAAAAAAGAAACGATAGTGTATGAGCAAGAAAAAACAGATTCATTC	161 376	2101 GCATTCAAAAACTGGGCCAGACCAAGTGGAAAATGCCAGAGATTGTTAAACTTTTCACCC 2160	2041 AATGGCATTTGCCAATAACGAAAAGAATGCAGAGACTAACTGGTGGTAGCTTTTGCCTG 2100	1981 CAATGCTTCAGGAAAGCTCAATGAACCCAACAGCCACATTTTCCTTCC	1921 CAGAAGCTGGGTGCTCCATCAGTCCTCACTGATCACGTCAGACTCCAGGACCGAGAGCCA 1980	1861 AAGGAGGCAGAGCTGAGCAGCTGAGCCACAGGGAGGGGAGGGGGGACAGGAAGGCAGG 1920	1801 GCTCTCGTGTTCTGTGAACACTTCCCTGTGATTCTCTGTGAGGGGGGATGTTGAGAGGGG 1860	1741 CGTGGGCAAGTGTCTCTCCCTTGGGCCATAGTCTTCTCTGCTATAAAGACCCTTGCA 1800	181 AACCITIGGAAICAGAGACTCGGTTTTCTTTCTGGTTCTGCCATTGGTTGGT	1621 CATGTCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTATGCAAGACGGTCGAA 1680	1561 GAAGCGRACTCATTICCTAGGCCGTTAATTCACGGAAGAAGTGACTGGAGTCTTTTCTTT 1620	AAAATICCAGGGIGIGCAIGGGITTICCTICACGAAGGCCTTTATTTAATGGGAATATAG	CTGCTTGGAGGAGAAGAAGTCTATTTCATGAAGGGATGCAGTTTCATAAAGTCAGCTGTT

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	AACCTCTGCCTCCCAGGTTCAAGCAATTCTCCTGTCTCAGCCTCCCGCGTAGCTGGGACT 180	
1141 AATCGTCCTGGTGCATCTGAGCTGGAGACTCCTTGGCTCCAGGCTCCAGAAAGGAAATGG		Qy 61
1081 CTTCCAAGCCTCCTCCATCAGTCACAGCGCTGCAGCTGGCCTGCCT	GCTCCACAGGAAGTCTCCCCACTCTAGACTTCTGCATCACGATGTTACAGG	Qy 1 Db 1216
1021 GGCCACCTCCCTAGCGCCCCCTGCTGCCTCCATCGTGCCCGAGGCCCCCAAGCCCGAGT	Query Match 81.5*; Score 4888.8; DB 6; Length 6169; Best Local Similarity 99.8*; Pred. No. 0; Db Matches 4949; Conservative 0; Mismatches 2; Indels 9; Gaps 5; Db	Query Match Best Local Matches 494
961 GTGCTGAAAGAAAGGAAATAAACACCATCTTGAAGAATTGTGCGCAGCATCCCTTAACAA 	/organism="Homo sapiens" Qy /mol type="genomic DNA" /db_xref="taxon:9606" Db	ORIGIN
901 GTGACAGTTTCTCATGGAAGACGTGCAGAAGAAAATTAATAGCCAGCC	rce Location/Qual 16169	FEATURES Bource
841 TCTGCCAGACACCAGAGACAAAATGGTGAGCAAAGCAGTCACTGCCCTACCTTCGTGGAG 	Nucleic acids, kits, and methods for the diagnosis, prognosis CC and CC treatment of glaucoma and related disorders FH Key Location/Qualifiers	
781 ATTTCTGTGTGACTCGTTCATTCATCCAGGCATTCATTGACAATTTATTGAGTACTTATA	,C12N1/19, PC 5/00,C12N5/00	
721 ACCTGCCAGCCCGTGCCACTGGTTGTTTTGTTATCACTCTCTAGGGACCTGTTGCTTTCT		
661 AGGTTTCCTCTCCAGCTGGGGGAGCCCTGCAAGCACCCGGGGTCCTGGGTGTCCTGAGCA	Treatment of glaucoma and related disorders Patent: JP 2002534135-A 3 15-OCT-2002; THE RECENTS OF THE UNIVERSITY OF CALIFORNIA OS Homo sapiens (human) Db	JOURNAL
601 TCTGTGTGTGTATAGGGGAGGGCATACCCCAGAGACTCCTTGAAGCCCCCGGCAG	Annilade; Homo.  Qy 1 (bases 1 to 6169) Nguyen,T.D., Polansky,J.R., Chen,P. and Chen,H.  Nucleic acids, kits, and methods for the diagnosis, prognosis and	REFERENCE AUTHORS TITLE
541 GTAAGCCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAGTTCCATTTGGGGCCA 	m 55	ORGANISM
481 CTITCTTCCCTCATCCTCATTTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTGTG	t of glaucoma and related disorders. .1 GI:33047706 34135-A/3.	ACCESSION VERSION KEYWORDS
421 TIGGGATGGGGAATGGTGCCATGAGCTGCCTGCCTAGTCCCAGACCACTGGTCCTCATCA	DD DNA linear PAT 17-JUL-2003 Db Nucleic acids, kits, and methods for the diagnosis, prognosis and	RESULT 5 BD237936 LOCUS DEFINITION
361 TIGAATGGTTTACTAAACCAACAGGGAAACAGACAAAAGCTGTGATAATTTCAGGGATTC	TAGATTAGTGGTTCAGAGTTCTTGTGCCCCTCCATGTCAG	
301 TGGGATTACAGGCATGAGTCACCGCGCCCAGGGGTCAGTGTTTAATAAGGAATAAC	AGGAAAGCACA-CGATCACCTTCAAGTATTACTAGTAATTTAGCTCCTGAGAGCCTTCATT TAGATTAGTGGTTCAGAGTTCTTGTGCCCCTCCATGTCAG 4957	Db 6071 Qy 4918
241 CCCGGCTGGTCTTGAACTCCTGACCTCAGGTGATCCACCCCACCTCAGCCTCCTAAAGTGC		Db 6015 Qy 4858
181 ACAGGCGCACGCCCGGCTAATTTTTGTATTGTTAGTAGAGATGGGGTTTCACCATATTAG	5955 TGGGGGGACTCTGACTTCAGAGACTGAATATGGCTACAGGCTACAGGACAGATGAATTA 4857  A798 GGCCTCCCTGCCTTCTCCTAGAGACTGCACAGCTAGCACAAGACAGATGAATTA 4857	Db 5

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Nguyen, T.D., Polansky, J.R., Chen, P. and Chen, H.
Nucleic acids, kits, and methods for the diagnosis,
treatment of glaucoma and related disorders
Patent: US 6475724-A 3 05-NOV-2002;
The Regents of the University of California; Oakland Californi
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CTATAGGAATGCTCTCCCTGGAGCCTGGTAGGGTGCTGTCCTTGTGTTCTGGCT	TAGAAAGITTCTCCCAAAGATACACAGITGTTTTAAAGCTAGGGGTGAGGGGGGAAATCTG 	GAGTAAGAACTGATTTAGAGGCTAACATTGACATTGGTGCCTGAGATGCAAGACTGAAAT	ATCTTTCTGAGAAGAGTTCCCCAGATTTCACCAATGAGGTTCTTGGCATGCACCACACACA	ATAATCATATTTCATTATCATTTGTTTCCTTTGTAAATCTATATTTTATATATTTGAAAAC 	CTCCTGCTGGATCTTGTTTTAACATATTAATAAACATGTTTAAAATTTTGATATTTTG 	AGTTGTTGCAGATACGTTGTAAGTGAAATATTTATACTCAAAACTACTTTGAAATTAGAC 	AACAGTACCTGTGATTTTGTCATTACCAATAGAAATCACAGACATTTTATACTATATTAC	CTAACTAAATTTAACATTTTATTCCATTGCGAATAGAGCCATAAACTCGAAGTGGTAAT 	CAGTCCAGAAAGCCTGTGAATTTGAATGAGGAAAAAATTACATTTTTGTTTTTTACCACCT	CATTTGCTTTTGTTTTTTCTCTTTGGGTTTATTAATGTAAAGCAGGGATTATTAACCTA 	CATTATTTCAAGTGGCTTAAAGTTACTTCTGACAGTTTTGGTATATTTATT	TACTTCACAAGTATTGACACTGTTGTTGGTATTAACAACATAAAGTTGCTCAAAGGCAAT	AGAGCAAACTGTGTTTCTCCAC-TCTGGAGGTGAGTCTGCCAGGGCAGTTTGGAAATATT	TTGTAAATGTCTCAAGTTCAGGCTTAACTGCAGAACCAATCAAATAAGAATAGAATCTTT 	CTATCTGATTCAGAAAATGAGACTAGTACCCTTTGGTCAGCTGTAAACAACACCCAT 	CAAGCCTAGGTCTTGCTGACTATATGATTGGTTTTTTGAAAAATCATTTCAGCGATGTT 	AGGGCAATCCCGTTTCTTTAACAGGAAGAAACATTCCTAAGAGTAAAGCCAAACAGA 	ACTTAGTTTCTCC
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QY 301 TGGGATTACAGGCATGAGTCACCGCGCCCAAGGGTCAGTGTTTAATAAGGAATAAC 360	Db 1396 ACAGGCGCACGCCTAATTTTTGTATTGTATTAGTAGAGATGGGGTTTCACCATATTAG 1455  Oy 241 CCCGGCTGGTCTTGAACTCCTGACCTCAGGTGATCCACCCAC	CCAGGTTCAAGCAATTCTCCTGTCTCAGCCTCCCGCGTAC	61 CGTGAGGGTGAGGGTCTGTGTCTTACACCTACCTGTATGCTCTACACCTGAGCTCACTGC	., Indels ACGATGTTACA	source 15300 /organism="unknown" /mol_type="unassigned DNA" ORIGIN ORIGIN 67.8%; Score 4069.4; DB 6; Length 5300;	AUTHORS Nguyen, i.u., rolatsky, i.k., chen, r. and chen, n.  TITLE Methods for the diagnosis, prognosis and treatment of glaucoma and related disorders  JOURNAL Patent: US 6171788-A 1 09-JAN-2001; FEATURES  Location/Qualifiers	Unclassified.  1 (bases 1 to 5300)	TION Sequence I from patent US ION ARI23663 N ARI23663.1 GI:14109024 DS	AR123663	Qy       4918       TAGATTAGTGGTTCTAGAGTTCTTGTGCCCCTCCATGTCAG       4957	4858 AGGARAGCACHACHACHTCACCITCAAGTATTACTAGTAATT	4798 GGCTTCCTTGCCTTTCTCCTAAGACTGCACAGCTAGCACAGACTAGCACAGACTAAATTA	478 TGGGGGGACTCTGAGTTCAGCAGGTGATATAGGCTCGTAGTGACCTGCTACAGGCGCTCCA		Db 5835 GCCAGGAGGTTGGAAAGCAGCAGCAGGAGGTAGCAAGGCTGAGAAGAGGGCCAGTGTCCC 5894
Oy 181 AGTGTTGTTCACGGGGCTGGGAGTTTCCGTTGCTTCCTGTGGCTGTTATCTTTTCT 1440	1321 TGAGCGGGTGCTGAAAGGCAGGAAGGTGAAAAGGGCAAGGCTGAAGCTGCCCAGATGTTC	Db 2416 AGAGGGAAACTAGTCTAACGGAGAATCTGGAGGGACAGTGTTTCCTCAGAGGGAAAGGG 2475  Oy 1261 GCCTCCACGTCCAGAAATTCCAGAAGGGACTGCAGGGACGCTGGGGC 1320	1141 2356	Db 2236 GGCCACCTCCCTAGCGCCCCTGCTGCTGCCCGAGGCCCCGAGCCCCAAGCCCGAGT 2295  Oy 1081 CTTCCAAGCCTCCTCCTCCATCAGTCACAGCGCTGCAGCTGGCCTGCCT	OY 961 GTGCTGAAAGAAAGGAAATTGTGCGCAGCATCCTTAACAA 1020	01 GTGACAGTTTCTCATGGAAGACGTGCAGAAGAAAATTAATAGCCAGCC	OY 841 TCTGCCAGACACCAGAGACAAAATGGTGAGCAAAGCAGTCACTGCCCTACCTTCGTGGAG 900	OY 781 ATTTCTGTGTGACTCGTTCATTCATCCAGCATTCATTGACAATTTATTGAGTACTTATA 840	OY 721 ACCTGCCAGCCCGTGCCACTGGTTGTTTTTGTTATCACTCTCTAGGGACCTGTTGCTTTCT 780	OY 661 AGGTTTCCTCTCCAGCTGGGGGAGCCCTGCAAGCACCCCGGGGTCCTGGGTGTCCTGAGCA 720	QY 601 TCTGTGTGTGTGTATAGGGGAGGAGGGCATACCCCAGAGAGACTCCTTGAAGCCCCCGGCAG 660	QY 541 GTAAGCCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAGTTCCATTTGGGGCCA 600	OY 481 CTTTCTTCCCTCATCTCACTTTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTGTG 540	QY 421 TTGGGATGGGGAATGGTGCCATGAGCTGCCTGCCTAGTCCCAGACCACTGGTCCTCATCA 480	Db 1576 TTGAATGGTTTACTAAACCAACAGGGAAACAGACAAAAGCTGTGATAATTTCAGGGATTC 1635

4756 3601 4816	Db 09	3676 GTAAGATTACTTRGTTTCTCCCTTATTAGGAACTCTTTTTCTCTGTGGAGTTAGCAGCACA 3735 2521 AGGGCAATCCCGTTTCTTAACAGGAAGAAACACTTCCTAAGAGTAAAGCCAAACAGAT 2580 [	\$ & B
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181	Db Oy	2101 GCATTCAAAAACTGGGCCAGAGCAAGTGGAAAATGCCAGAGATTGTTAAACTTTTCACCC 2160 	유 성
121 336	Db Qy	2041 AATGGCATTTGCCAATAACCAAAAAGAATGCAGAGACTAACTGGTGGTAGCTTTTGCCTG 2100	B 8
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3001 AGTCCAGAAAGCCTGTGAATTTGAATGAGGAAAAATTACATTTTTGTTTTTTACCACCTT 3060 	B &	1921 CAGAAGCTGGGTGCTCCATCAGTCCTCACTGATCACGTCAGACTCCAGGACCGAGAGACCA 1980	당 성
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2881 ATTATTTCAAGTGGCTTAAAGTTACTTCTGACAGTTTTGGTATATTTATT	B Q	1801 GCTCTCGTGTTCTGTGAACACTTCCCTGTGATTCTCTGTGAGGGGGGATGTTGAGAGGGG 1860 	д <b>Q</b>
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2761 AGAGCAAACTGTGTTTCTCCACTCTGGAGGTGAGTTGCCAGGGGAGTTTGGAAATATTT	, B &	1681 AACCTTGGAATCAGGAGACTCGGTTTTCTTTCTGGTTCTGCCATTGGTTGG	g &
2701 TIGTAAATGTCTAAGATTCAAGCTTAACTGCAGAACCAATCAAATAAGAATAAGAATCTTT	Db Qy	1621 CATGTCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTATGCAAGACGGTCGAA 1680 	유 성
2641 TACTATICTIGATICAGAAAATGAGGAGTAGTAGCCTTTGGTCAGCTGTAAAGAACACCCAT	8 8	1561 GAAGCGAGCTCATTTCCTAGGCCGTTAATTCACGGAAGAAGTGACTGGAGTCTTTTCTTT 1620 	B 8
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REFERENCE
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                                                                                                                                          Nguyen, T.D., Polansky, J.R., Chen, P. and Chen, H.

Nucleic acids, kits, and methods for the diagnosis, prognosis a
treatment of glaucoma and related disorders
Patent: JP 2002534135-A 1 15-OCT-2002;
THE REGERTS OF THE UNIVERSITY OF CALIFORNIA

SHOWD Sapiens (human)
PN JP 2002534135-A/1
PN 15-OCT-2002
PP 11-JAN-1999 US 09/227881,07-MAY-1999 US 09/306828 PI
THAI D NGUYEN, JON R POLANSKY, PU CHEN, HUA CHEN PC
C12N15/09, A61K31/573, A61K45/00, A61P27/06, C12N1/15, C12N1/19, PC
C12N1/21,
PC C12N5/10, C12Q1/68, G01N33/53, G01N33/566, C12N15/00, C12N5/00
Nucleic acids, kits, and methods for the diagnosis, prognosis
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JP 2002534135-A/1.
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Nguyen, T.D., Polansky, J.R., Chen, P. and Chen, H. Nucleic acids, kits, and methods for the diagnosis, putreatment of glaucoma and related disorders
Patent: US 6475724-A 1 05-NOV-2002;
The Regents of the University of California; Oakland, Location Qualifiers
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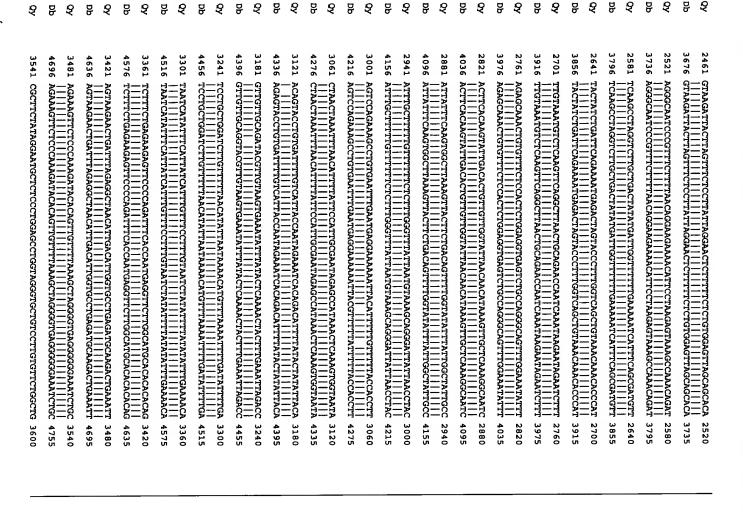
1 (bases 1 to 5304)

1 (bases 1 to 5304)

Nguyen, T.D., Polansky, J.R., Chen, P. and Chen, H.
Methods for the diagnosis, prognosis and treatment
related disorders
Patent: US 6171788-A 2 09-JAN-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GCTCCACAGGAAGTCTCCCCACTCTAGACTTCTGCATCACGATGTTACAGCCAGAAGCTC
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6 1	6 1	4 6	6 1	6 P	6 1	6 1	6 1	6	6	6	1 AGGTTTCCTCT            6 AGGTTTCCTCT	O1 TCTGTGTGTGTGTA	1 GTAAGCCTC	6 1	6 1	61 TIGAAIGGITIACI             76 TIGAAIGGITIACI	01 TGGGATTACAGGCP            16 TGGGATTACAGGCP
TGAGCGGGTGCTGAAAGGCAGGAAGGTGAAAAGGGCAAGGCTGAAGCTGCCCAGATGTT 	GCCTCCACGTCCAGGAGAATTCCAGGAGGTGGGGACTGCAGGGAGTGGGGACGCTGGGGC	(gagggaaactagtctaacggagaatctggagggacagtgtttcctcagagggaaaagg 	AATCGTCCTGGTGCATCTGAGCTGGAGACTCCTTGGCTCCAGGCTCCAGAAAGGAAATGG	CTTCCAAGCCTCCTCCATCAGTCAGACAGCGCTGCAGCTGGCCTGCCT	GGCCACCTCCTAGCGCCCCCTGCTGCCTCCATCGTGCCCGAAGGCCCCAAGCCCGAAGT	GTGCTGAAAGAAAGGAAATAAACACCATCTTGAAGAATTGTGCGCAGCATCCCTTAACAA	GTGACAGTTTCTCATGGAAGACGTGCAGAAGAAGATTAATAGCCAGCC	TCTGCCAGACACCAGAGACAAAATGGTGAGCAAAGCAGTCACTGCCCTACCTTCGTGGA	ATTTCTGTGTGACTCGTTCATTCACCAGGCATTCATTGACAATTTATTGAGTACTTATA	ACCTGCCAGCCCGTGCCACTGGTTGTTTTGTTATCACTCTCTAGGGACCTGTTGCTTTCT	CCAGCTGGGGGAGCCCTGCAAGCACCCGGGGTCCTGGGTGTCCTGAGCA	NTAGGGGAGGAGGGCATACCCCAGAGACTCCTTGAAGCCCCCGGCAG	CACATCGTTACTGAAATAAGAGTATACATAAACTAGTTCCATTTGGGGCCA 	CTTTCTTCCCTCATCCTCATTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTTGTG	TIGGGATGGGGAAIGGTGCCAIGAGCTGCCTGCCTAGICCCAGACCACTGGTCCTCATCA	TTGAATGGTTTACTAAACCAACAGGGAAACAGACAAAAGCTGTGATAATTTCAGGGATTC	TGGGATTACAGGCATGAGTCACCGCGCCCGGCCAAGGGTCAGTGTTTAATAAGGAATAA 
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AGTAATTCTGAGCAAGTCACA             	TCAGTTCAAGGGAAGTCGGGA              CAGTTCAAGGGAAGTCGGGA	GATTATAGTCCACGTGATCCT	GGGATAGTGTATGAGCAAGAA              GGGATAGTGTATGAGCAAGAA	AGCAGTGACTGCTGACAGCAC	CAAGTGGAAAATGCCAGAGAT               caagtggaaaatgccagagat	AAAGAATGCAGAGACTAACTG             aaaGaatgcagagactaactg	GAACCCAACAGCCACATTTTC	TCCTCACTGATCACGTCAGAC                  TCCTCACTGATCACGTCAGAC	TGAGCCACAGGGGAGGTGGAG             TGAGCCACAGGGGAGGTGGAG	TCCCTGTGATTCTCTGTGAGG	CCTGGGCCATAGTCTTCTCTC	GTTTTCTTTCTGGTTCTGCCA	AGCCCTGTGGTGGACTTGGCT 	CGTTAATTCACGGAAGAGTC	#11TCTTCACGAAGGCCTT	ALL CALGRAGGATGCAGT	ATTICGINGUITCETGIG
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REFERENCE AUTHORS TITLE ACCESSION VERSION KEYWORDS SOURCE ORGANISM RESULT 12 BD065040 LOCUS DEFINITION JOURNAL unclassified.

1 (Dases 1 to 5304)

8 1 (Dases 1 to 5304)

Nethods for the diagnosis, prognosis and treatment of related disorders

1 Patent: JP 2001509669-A 2 24-JUL-2001;

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

OS Unidentified

PN JP 2001509669-A/2

PD 24-JUL-2001

PF 09-JAN-1998 JP 1998532017

PR 28-JAN-1998 JP 1998532017

PR 28-JAN-1997 US 08/791154, 26-SEP-1997 US

THAI D NGUYEN, JON R POLANSKY, PU CHEN, HUA CHEN PC

C12N15/12, C12Q1/68, C07K14/47, A61K31/70

CC Strandedness: Single;

CC Topology: Linear;

CC Methods for the diagnosis, prognosis and treatment of glaucoma

CC disorders

FT source 1.5304

FT source /organism='Unidentified'. BD065040.1 GI:22610643 JP 2001509669-A/2. unidentified DNA linear PAT 27-AUG-2002 Methods for the diagnosis, prognosis and treatment of glaucoma and related disorders.

BD065040 unidentified 읁 08/938669 glaucoma PI and

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901 GTGACAGTTTCTCATGGAAGAAGCTGCAGAAGAAAATTAATAGCCAGCC	841 TCTGCCAGACAGAGACAAAATGGTGAGCAAAGCAGTCACTGCCCTACCTTCGTGGAG 900	781 ATTTCTGTGTGACTCGTTCATTCATCCAGGCATTCATTGACAATTTATTGAGTACTTATA 840	721 ACCTGCCAGCCCGTGCCACTGGTTGTTTTGTTATCACTCTCTAGGGACCTGTTGCTTTCT 780	661 AGGTTTCCTCTCCAGCTGGGGGAGCCCTGCAAGCACCCGGGGTCCTGGGTGTCCTGAGCA 720	601 TCTGTGTGTGTATAGAGGAAGGAGGGCATACCCCAGAGACTCCTTGAAGCCCCCGGCAG 660	541 GTAAGCCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAGTTCCATTTGGGGCCA 600 	481 CTTTCTTCCCTCATCCTCATTTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTGTG 540	421 TTGGGATGGGGAATGGTGCCATGAGCTGCCTAGTCCCAGACCACTGGTCCTCATCA 480	361 TIGAATGGTTTACTAAACCAACAGGGAAAACAGACAAAAGCTGTGATAATTTCAGGGATTC 420 	301 TGGGATTACAGGCATGAGTCACCGCCCCCGCCCAAGGGTCAGTGTTTTAATAAGGAATAAC 360 	241 CCCGGCTGGTCTTGAACTCCTGACCTCAGGTGATCCACCCAC	181 ACAGGCGCACGCCCGGCTAATTTTGTATTGTTAGTAGAGATGGGGTTTCACCATATTAG 240 	121 AACCTCTGCCTCCGAGGTTCAAGCAATTCTCCTGTCTCAGCCTCCGCGTAGCTGGGACT 180 	61 CGTGAGGGTGAGGGTCTGTGTCTTACACCTACCTGTATGCTCTACACCTGAGCTCACTGC 120	1 GCTCCACAGGAAGTCTCCCCACTCTAGACTTCTGCATCACGATGTTACAGCCAGAAGCTC 60	Query Match 67.6%; Score 4057.4; DB 6; Length 5304; Best Local Similarity 99.7%; Pred. No. 0; Matches 4077; Conservative 0; Mismatches 6; Indels 6; Gaps 1;	/organism="unidentified" /mol_type="genomic_DNA" /db_xref="taxon:32644"	rce
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1201 AGAGGGAAACTACTCTAACGGAGAATCTGGAGGGGACAGTGTTTCCTCAGAGGGAAAGGG	ο ογ	121 AACCTCTGCCTCCCAGGTTCAAGCAATTCTCCTGTCTCAGCCTCCCGGGTAGCTGGGACT 180	g Qy
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961 GTGCTGAAAGAAAGGAAATAAACACCATCTTGAAGAATTGTGCGCAGCATCCCTTAACAA 1020 	D Qy	/org /db/	ORIGIN
901 GTGACAGTTTCTCATGGAAGACGTGCAGAAGAAAATTAATAGCCAGCC	Db Qy	FT source FT Location/Qua	FEATURES sou
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1 TOTACCAGACACCAGACACAAAAAACCACCAAAAACCACCAAACACACCAACCACA	?	C12N15/09,A61K31/573,A61K45/00,A61P27/06,C12N1/15,C12N1/19, PC C12N1/21, PC C12N1/21,C12	
1936 ACCTGCCAGCCGTGCCTGCATGCATGCATGCATGCATGCA	?	PD 15-OCT-2002 PF 11-JAN-2000 JP 2000593777 PR 11-JAN-1999 US 09/227881,07-MAY-1999 US 09/306828 PI THAI D NGCYEN,JON R POLANSKY, PH CHEN, HIA CHEN PC	
1876 AGGITTUCTUTCUAGCTIGGGGGGGGCCCTGCAAGCACCCGGGGTCCTGGGTGTCCTGAGC	8 8		COMMENT
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1816 TCTGTGTGTGTATAGGGGAGGGCATACCCCAGAGACTCCTTGAAGCCCCCGGCAG	Db		REFERENCE AUTHORS TITLE
1756 GIAAGCCTCCACATCGTTACTGAAATAAGAGTAȚACATAAACTAGTTCCATTTGGGGCCA 1815	<del>S</del> B		
541 GTAAGCCTCCACATCGTTACTGAAATAAGAGTATAACATAAACTAGTTCCATTTGGGGCC	Q (	JP 200253413 Homo sapiens	KEYWORDS SOURCE
481 CTTTCTCCCTCATCCTCATTTTCAGGCTAAGTTAACCATTTTATTCACCATGCTTTTTGTG	3 S		ACCESSION VERSION

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381 AGTGTTGTTCACGGGGCTGGGAGTTTTCCGTTGCTTCCTGTGAGCCTTTTTATCTTTTCT	321 TGAGCGGGTGCTGAAAGGCAGGAAGGTGAAAAGGGCAAGGCTGAAGCTGCCCAGATGTTC 1380	.261 GCTCCACGTCCAGGAGAATTCCAGGAGGTGGGGACTGCAGGAGTGGGGACGCTGGGGC 1320		141 356	1081 CTTCCAAGCCTCCTCCTCCATCAGTCACAGCGCTGCAGCTGGCCTGCCT	1021 GGCCACCTCCCTAGCGCCCCCTGCTGCCTCCATCGTGCCCGGAGGCCCCCAAGCCCGAGT 1080	961 GTGCTGAAAGAAAGGAAATAAACACCATCTTGAAGAATTGTGCGCAGCATCCCTTAACAA 1020 	901 GTGACAGTTTCTCATGGAAGACGTGCAGAAGAAAATTAATAGCCAGCC	841 TCTGCCAGACACCAGAGACAAAATGGTGAGCAAAGCAGTCACTGCCCTACCTTCGTGGAG 900 	781 ATTTCTGTGTGACTCGTTCATCCAGGCATTCATTGACAATTTATTGAGTACTTATA 840 	721 ACCTGCCAGCCGTGCCACTGGTTGTTTTGTTATCACTCTCTAGGGACCTGTTGCTTTCT 780 	661 AGGTITCCTCTCCAGCTGGGGGAGCCCTGCAAGCACCCGGGGTCCTGGGTGTCCTGAGCA 720 	601 TCTGTGTGTGTATAGGGAGGGGAGGGGCATACCCCAGAGACTCCTTGAAGCCCCCGGCAG 660	541 GTAAGCCTCCACATCGTTACTCAAATAAGAGTATACATAAACTAGTTCCATTTGGGGCCA 600 		1636 TIGGGATGGGGAATGGTGCCATGAGCTGCCTGCCTAGTCCCAGACCACTGGTCCTCATCA 1695 481 CTTTCTTCCCTCATCCTCATTTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTGTG 540		361 TIGAATGGTTTACTAAACCAACAGGAAACAGACAAAAGCTGTGATAATTTCAGGGATTC 420 	

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OUI AGICCAGANACCITUTGAAITIGAAATAGAAAAAAAAAAAAAAAAAAAAAAA	1980 3195	1921 CAGANGCTGGGTGCTCCATCAGTCCTCACTGATCACGTCAGACTCCAGGACCGAGAGCCA
THE REPORT OF THE PROPERTY OF	1920 3135	1861 AAGGAGGCAGAGCTGGAGCTGAGCCACAGGGGAGGTTGGAGGGGGGAGGGGAGGCAGG
ATTAITCAAGTGGCTTAAAGTTACTTCTGACAGTTTTGGTATATTTATT	1860 : 3075	1801 GCTCTCGTGTTCTGTGAACACTTCCCTGTGATTCTCTGTGAGGGGGGATGTTGAGAGGGG
	3015	1741 CGTGGGCAAGTGTCTCCTTCCCTGGGCCATAGTCTTCTCTGCTATAAAGACCCTTGCA
	1740 2955	1681 AACCTTGGAATCAGGAGACTCGGTTTTCTTTCTGGTTCTGCCATTGGTTGG
TIGIAAATGICTCAGTTCAGGCTTAACTGCAGAACCAATCAAATAAGAATAGAATCTTTTTGTAAATGTCTCAAGTTCAGAATCAACTGCAGAACCAATCAAATAAGAATAGAATCTTTTT	1680	1621 CATGTCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTATGCAAGACGGTCGAA
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Rguyen, T.D., Chen, P., Chen, H. and Polansky, J.R.

Direct Submission

Submitted (10-JUN-1997) Ophthalmology, University of California Submitted (10-JUN-1997) Submitted (10-JUN-1997) Ophthalmology, University of California Francisco, 10 Kirkham Street, San Francisco, CA 94143-0730, USA Location/Qualifiers
                                                                                                                                                                                          Hominidae; Homo.

1 (bases 1 to 5300)

Nguyen, T.D., Chen, P., Huang, W.D., Chen, H., Johnson, D. and Polansky, J.R.

Gene structure and properties of TIGR, an olfactomedin-related plycoprotein cloned from glucocorticoid-induced trabecular meshwork
                                                                                                                                                                                                                                                                                                                           AF007562 5300 bp DNA linear PRI 18-MAR-1990
Homo sapiens trabecular meshwork inducible glucocorticoid response
protein (TIGR) gene, promoter region and partial mRNA sequence.
AF007562
                                                                                                                                                                  J. Biol. Chem.
9497363
                                                                                                                                                                                                                                                           Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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/product="trabecular meshwork inducible glucocorticoid response protein"
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Adz67355 Human TIG	ADZ67355	14	2800	46.2	2773.4	19
Adl99152 Trabecula	ADL99152	11	2800	46.2	2773.4	18
Aaz37968 Human GLC	AAZ37968	w	2800	46.2	2773.4	17
×	AAA57511	ω	5271	66.9	4015.8	16
Aaa57485 A TIGR (t	AAA57485	ω	5304	67.6	4057.4	15
Aav51364 Human TIG	AAV51364	N	5304	67.8	4065.4	14
	AAV51362	N	5300	67.8	4067.8	13
Aav51366 Human TIG	AAV51366	N	5300	67.8		12
Human	AAV51363	N	5300	67.8	4067.8	11
	AAV51367	N	5300	67.8	4067.8	10
	AAV51365	N	5300	67.8	4067.8	. 9
Aav51361 Human TIG	AAV51361	N	5299	67.8	4068.4	00
	ADQ15241	12	5300	67.8	4069.4	7
Adf13152 Human TIG	ADF13152	12		67.8	4069.4	6
Aaa57484 A TIGR (t	AAA57484	ω		67.8	4069.4	, UT
Aaa57486 A TIGR (t	AAA57486	ω	6169	81.5	4888.8	4.
Aav51368 Human TIG	AAV51368	N	6169	81.5	4888.8	· w
Acn44666 Human gen	ACN44666	11	37252	99.6	5976.8	2
Adj94187 Human MYO	ADJ94187	10	6000	99.9	5998.4	, _
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ing genes to assess the risk on of at least two mutations n and/or a region upstream rably the MYOC gene. The y detection of glaucoma. This ich mutations are detected.	glaucoma by detecting rom it.	•	,						are detected.					Humar Iuman Trabec	luman luman		Acn44664 Mouse gen Aaz37971 Mouse GLC	rabect DNA er	Aav81910 Human tra Aac87528 Human TIG	Aax57606 Human TIG Aav08904 TIGR prot	Aaa57509 cDNA enco	Adq22683 Human sof Aad08141 Human tra	DNA en Human	remn	Humar	1 00	

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901 GTGACAGTTTCTCATGGAAGAACGTGCAGAAGAAAAATTAATAGCCAGCC	841 TCTGCCAGACACAGAGACAAAATGGTGAGCAAAGCAGTCACTGCCCTACCTTCGTGGAG 900	781 ATTTCTGTGTGACTCGTTCATTCATCCAGGCATTCATTGACAATTTATTGAGTACTTATA 840	721 ACCTGCCAGCCCGTGCCACTGGTTGTTTTGTTATCACTCTCTAGGGACCTGTTGCTTTCT 780 721 ACCTGCCAGCCCGTGCCACTGGTTGTTTTGTTATCACTCTCTAGGGACCTGTTGCTTTCT 780	661 AGGTTTCCTCTCCAGCTGGGGGAGCCCTGCAAGCACCCGGGGTCCTGGGTGTCCTGAGCA 720 661 AGGTTTCCTCCAGCTGGGGGAGCCCTGCAAGCACCCGGGGTCCTGGGTGTCCTGAGCA 720	601 TCTGTGTGTGTATAGGGGAGGGCATACCCCAGAGACTCCTTGAAGCCCCCGGCAG 660	541 GTAAGCCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAGTTCCATTTGGGGCCA 600	481 CTTTCTTCCCTCATCTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTGTG 540	421 TTGGGATGGGGAATGGTGCCATGAGCTGCCTGCCTAGTCCCAGACCACTGGTCCTCATCA 480	361 TTGAATGGTTTACTAAACCAACAGGGAAACAGACAAAAGCTGTGATAATTTCAGGGATTC 420 	301 TGGGATTACAGGCATGAGTCACCGCGCCCGGCCAAGGGTCAGTGTTTAATAAGGAATAAC 360	241 CCCGGCTGGTCTTGAACTCCTGACCTCAGGTGATCCACCCCACCTCAGCCTCAAAGTGC 300	181 ACAGGCGCACGCCCGGCTAATTTTTGTATTGTTAGTAGAGATGGGGTTTCACCATATTAG 240	121 AACCTCTGCCTCCCAGGTTCAAGCAATTCTCCTGTCTCAGCCTCCCGCGTAGCTGGGACT 180	61 CGTGAGGGTGAGGGTCTGTGTCTTACACCTACCTGTATGCTCTACACCTGAGCTCACTGC 120	1 GCTCCACAGGAAGTCTCCCCACTCTAGACTTCTGCATCACGATGTTACAGCCAGAAGCTC 60	Query Match 99.9%; Score 5998.4; DB 10; Length 6000; Best Local Similarity 99.9%; Pred. No. 0; Matches 5999; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
& & & &	4 & F	8 B 8	dd YQ	B &	) B &	) B 4	? B \$	S B 8	? B \$	S B 8	2 B \$	S B 7	S B &	?	5 B ;	δ B
1981 CAATGCTTCAGGAAGCTCAATGAACCCAACAGCCACACTTTTCCTTCC	921 CAGAAGCTGGGTGCTCCATCAGTCCTCACTGATCACGTCAGACTCCAGGACCGAGACCCA 981 CAATGCTTCAGGAAAGCTCAATGAACCCAACAGCCACATTTTCCTTCC	1861 AAGGAGCAGAGCTGGAGCAGCTGAGCCACAGGGAGGTGGAGGGGAGAGGAAGGCAGG 1920	1801 GCTCTCGTGTTCTGTGAACACTTCCCTGTGATTCTCTGTGAGGGGGGATGTTGAGGAGGGG 1800 1801 GCTCTCGTGTTCTGTGAACACTTCCCTGTGATTCTCTGTGAGGGGGGGATGTTGAGAGGGG 1860	1/41 CGIGGCAAGIGICICIC CCIGGCCAIRGCICICICICICICIAIRANACCCIIGCA 1800 1741 CGIGGCAAGIGICICICCCIGGGCCAIAGICICTCTCCCTGCTATAAAGACCCTTGCA 1800	1681 ARCCITGGAATCAGGAGACTCGGTTTTCTTGTTGCTGCTGTTGGTTG	1621 CATGITICIANG CALCULATION CONTROL OF THE CONTRO		1501 AAAARIIC CAGGGIGIGCAIGGGIIIIC II CAGGAAGGGCIIIAIIIA 1808 AAAARIIC CAGGGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGAA			1321 TGAGCCGGTGCTGAAAGGCAGGGAAGGCTGAAAAAGGCCTGAAGCCTTTTTTATCTTTTTCT 1380		1201 AGAGGGAAACTAGTCTAAGGAGAATTCCCAGGAGGGACTGGGGGACTGGGGGACTGGGGGC 1320			

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Cytostatic; carcinoma; lymphoma; cancer; human; gene; ss.

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RESULT 2
ACN44666
ID ACN44666 standard; DNA; 37252 BP.

XX
AC ACN44666;
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DT 18-NOV-2004 (first entry)
XX
DE Human genomic sequence hCG37091.
XX
Cytostatic; carcinoma; lymphoma; ca
XX
Cytostatic; carcinoma; lymphoma; ca
XX
DS Homo sapiens.
XX
PN WO2003073826-A2.
XX
PN WO2003073826-A2.
XX
PN WO2003073826-B2.
XX
PN WPI; 2003-328604/31.
XX
PT Comprises a nucleotide sequence.
XX
PS Claim 1; SEQ ID NO 1228; Opp; Engli Recombinant nucleic acid useful for diagnosis and treatment of carcinoma comprises a nucleotide sequence.

Claim 1; SEQ ID NO 1228; Opp; English.

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The present invention relates to novel DNA and protein sequences which care associated with carcinomas. The sequences are useful for: (i) for Screening drug candidates; (ii) for screening of bioactive agent capable of binding to Carcinoma Associated Protein (CAP); (iii) for screening of a bioactive agent capable of modulating the activity of CAP; (iv) for carcinoma; (vi) for inhibiting the activity of CAP; (iv) for diagnosing carcinoma; (vii) for neutralizing the effect of CAP; (vii) for treating carcinoma; (viii) for neutralizing the effect of CAP; (ix) as a biochip; (x) for diagnosing carcinoma or a propensity to carcinoma; and (xi) for capable of CAP; (viii) for diagnosing carcinoma or a propensity to carcinoma; (viii) for diagnosing carcinoma or a propensity to carcinoma; (viii) for capable of CAP; (viii) for diagnosing carcinoma or a propensity to carcinoma; (viii) for capable of CAP; (viii) for diagnosing carcinoma. The present sequence is one such CAP; (viii) for carcinoma including lymphoma. The present sequence is one such CAP; (viii) for carcinoma including lymphoma. The present sequence is one such CAP; (viii) for carcinoma; (viiii) for sequence is an equivalent to basic patent capable of US2002182586A1, for which no sequence data was published
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9966 AACCTCTCTGGAGCTCGGGCATGAGCCAGCCACCCATCCAGGCACCTCTCAGCAC	391 CARCCICACGIGGCACCICTGICTICCCCATGANAGGCIGGCACCAGTATATATA 9906 CCAGCCTCACGIGGCCACCTCTGTCTTCCCCCATGANAGGCTGGCTCCCCAGTATATATA	9846 GGTTATTTCTAAGAATCTTGCTGGCAGCGTGAAGGCAACCCCCTGTGCACAGCCCCAC	3841 9786	3781 GTGTGTGTGTGTGTGTGTGTGTGTAAAACCAGGTGGAAATATAGGAACTATTATTGGG 3	9666 ACTAGAATATATCCTTGTTGAAATCAGCACCAGTAGTCCTGGTGTAAGTGTGTGT	361 AGCATAGTGCTGGCACAGTGCAGGTTCTCATTGAGTTTGCAGAGTGAAATATAAAA	3601 GCTGTTATTTTTCTCTGTCCCTGCTACGTCTTAAAGGACTTGTTTGGATCTCCAGTTCCT	351 CGCTTCTATAGAATGCTCTCCCTGGAGCCTGGTAGGGTGCTGTCTTGTGTTCTGGCTG	3481 AGAANGTIC ICCAARGAI KAACAGI 1911 I AANGCI IAGGGGGGGGGAAARCI 1950   1960	3421 AGINAGAACTGATITAGAGGCTAACAITGACAITGGCCCCCCCCAAGACGAACAAACAAACAAACAACAACAAC	3361 TCTTTCTGRGAAGRGTTCCCCGAATTCACGATGAGGTTCTTGGCATGCACACACA	3301 IANICAIAIIICAIA CAIIIUITTICCIIANICAIIIIIIIIIIIIIIIIIIIIIIIIIII	3241 TCCTGCTGGATCTTGTTTTACACATATTAAAACAGGGTTTAAAATTTTGATATTTTGA	11011UNGALACUI IULAGAIACUI IALACUI CAMACIACI IIUAGAILAGACU	9066 ACAGTACCTGTGATTTTGTCATTACAATAGAAATCACAGACATTTTATACTATATTACA	9006 CTBACTABATTTBACATTTTATCCATTGCGAATAGAGCCATAAACTTATACTAAAGTGGTAATA	8946	3001

 5101 TGTTAAAATGACCTTTATTTATGAAATTACAATAGATTTGGGAAATGATAATAAGTGGTA 5160 	B 8
5041 CCCTTTTGAAAAACTATCCTTTTTGAACCTTTGCTCAGATTGTTATTTGTACCTTTTGA 5100	B 8
4981 AGAAATAAAAGGACCGGGTGAGATGTGTCTGCATATGAGCAGTAGAAAGTTGTCAATTGT 5040 	음 성
4921 ATTAGTGGTTCAGAGTTCTTGTGCCCCTCCATGTCAGTTTTCACAGTCCATAGCAAAAGG 4980	유 성
4861 AAAGCACAGCGATCACCTTCAAGTATTACTAGTAATTTAGCTCCTGAGAGCTTCATTTAG 4920	음 <i>청</i>
4801 CTCCCTGCCTGTCCTAGAGACTGCACAGCTAGCACAAGACAGATGAATTAAGG 4860 	B &
4741 GGGACTCTGAGTTCAGCAGGTGATATGGCTCGTAGTGACCTGCTACAGGCGCTCCAGGC 4800	유 성
4681 ACCCGAGACACTGCTCGGGCTGTGCCACCAGGCTCCAGAGAGAG	9 9
4621 AGGAGGTTGGAAAGCAGCCAGCCAGGAGGTAGCAAGGCTGAGAAGGGGCCAGTGTCCCCAG 4680	유 성
4561 GACAAGTCAGTTCTGGAGGAAGAAGAAGAAGCGACTAAGGCAAGAAATGAGAATCTGGCC 4620 	B 8
4501 CGGGACCAGCTGGAAACCCAAACCAGAGAGTTGGAGACTGCCTACAGCAACCTCCTCCGA 4560 	음 성
41 86	유 성
4381 ACCAAAGCTCGACTCAGCTCCCTGGAGAGCCTCCTCCACCAATTGACCTTGGACCAGGCT 4440 	유 성
4321 ATGTCAGTCATCATAACTTACAGAGAGACAGCAGCACCCAACGCTTAGACCTGGAGGCC 4380	유 성
4261 CAGTATACCTTCAGTGTGGCCAGTCCCAATGAATCCAGCTGCCCAGAGCAGAGCCAGGCC 4320	음 성
4201 TGGGATGTGGGGGCCAGGACAGCTCAGCTCAGGAAGGCCAATGACCAGAGTGGCCGATGC 4260	용 성
4141 TGCTGCAGCTTTGGGCCTGAGATGCCAGCTGTCCAGCTGCTTCTGGCCTGCCT	음 성
4081 AGCAGAGCTTTCCAGAGGAAGCCTCACCAAGCCTCTGCAATGAGGTTCTTCTGTGCACGT 4140	8 8

ULT 3 51368 AAV51368 standard; DNA; 6169 BP.

AAV51368;

27-OCT-1998 (first entry)

Human TIGR upstream region and exon 1 DNA.

Κ¥ TIGR; trabecular meshwork induced glucocorticoid response protein; human; diagnosis; glaucoma; polymorphism; steroid sensitivity; ss.

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           TGGGATTACAGGCATGAGTCACCGCGCCCCGCCCAAGGGTCAGTGTTTAATAAGGAATAAC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A TIGR (trabecular meshwork inducible glucocorticoid receptor) promoter.
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                                                                                       Diagnosis, prognosis and treatment of glaucoma, based on specific polymorphisms in the promoter of the trabecular inducible glucocorticoid receptor gene.
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                                            Claim 37; Page 105-107; 122pp; English
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99US-00306828.
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replace(4337, G)
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Query Match
Best Local Similarity 99.8
Matches 4949; Conservative
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TIGR; trabecular meshwork inducible glucocorticoid receptor; promoter;
                          A TIGR (trabecular meshwork inducible glucocorticoid receptor) promoter.
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                                                                                    AAA57484;
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Query Match 67.8 Best Local Similarity 99.9 Matches 4082; Conservative

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The present sequence represents a TIGR (trabecular meshwork inducible CC glaucocorticoid receptor) promoter, isolated from an individual without CC glaucoma. The specification describes a method for the diagnosis, CC prognosis and treatment of glaucoma, based on detecting specific prognosis and prognosis of glaucoma (of all types), steroid sensitivity CC diagnosis and prognosis of glaucoma (of all types), steroid sensitivity CC and progressive ocular hypertension that leads to loss of vision. CC diagnosis within the TIGR promoter. The TIGR promoter (or other regulatory regions) can be used to express homologous or heterologous CC genes, particularly for tissue-specific expression of therapeutic corresponds for treating glaucoma, also to generate transgenic animals and CC in screening for compounds (specific modulators) with diagnostic or therapeutic potential. Fragments of the TIGR sequence can be used as amplification primers or probes, e.g. for isolating related sequences in non-human animals
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Diagnosis, prognosis and treatment of glaucoma, based on detecting specific polymorphisms in the promoter of the trabecular meshwork inducible glucocorticoid receptor gene.
  Sequence
                                                                                                                                                                                                                                                             Claim 34; Fig 1A-E; 122pp; English.
                                                                                                                                                                                                                                                                                                                                                WPI; 2000-491060/43.
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07-MAY-1999;
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vision loss; ss.
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visual field loss Homo sapiens.	8 X 2	4456 TCCTGCTGGATCTTGTTTTAACATATTAATAAACATGTTTAAAATTTTGATTTTGA 3300
Human TIGR promot ds; human; glaucc primary open angl	DE Hum XX KW ds; KW pri	181 GTTGTTGCAGATACGTTGTAAGTGAAATATTTATACTCAAAACTACTTTGAAATTAGACC
ADF13152; 12-FEB-2004 (fir	X X X E X	3121 ACAGTACCTGTGATTTTGTCATTACCAATAGAAATCACAGACATTTTATACTATATTTACA 3180 
ILT 6 .3152 ADF13152 standard	RESU ADF1 ID	3061 CTAACTAAATTTAACATTTTATTCCATTGCGAATAGAGCCATAAACTCAAAGTGGTAATA 3120 
4079 ACAGC 40       5296 ACAGC 53	B &	3001 AGTCCAGAAAGCCTGTGAATTTGAATGAGGAAAAAATTACATTTTTGTTTTTACCACCTT 3060 
TAAAC	, B &	2941 ATTTGCTTTTTGTTTTTCTCTTTTGGGTTTATTAATGTAAAGCAGGGATTATTAACCTAC 3000 
	, B &	2881 ATTATITCAAGTGGCTTAAAGTTACTTCTGACAGTTTTGGTATATTTATT
116	?	2821 ACTTCACAAGTATTGACACTGTTGTTGGTATTAACAACATAAAGTTGCTCAAAGGCAATC 2880 
056	?	2761 AGAGCAAACTGTGTTTCTCCACTCTGGAGGTGAGTCTGCCAGGGCAGTTTGGAAATATTT 2820 
996	) B &	2701 TTGTAAATGTCTCAAGTTCAGGCTTAACTGCAGAACCAATCAAATAAGAATAGAATGTTT 2760 
~-~	ob Qy	2641 TACTATCTGATTCAGAAAATGAGACTAGTACCCTTTGGTCAGCTGTAAACAAAC
	, B &	2581 TCAAGCCTAGGTCTTGCTGACTATATGATTTGTTTTTGAAAAATCATTTCAGCGATGTT 2640 
	} B &	2521 AGGGCAATCCCGTTTCTTTAACAGGAAGAAAACATTCCTAAGAGTAAAGCCAAACAGAT 2580 
	D D	2461 GTAAGATTACTTTCTCCTTATTAGGAACTCTTTTTCTCTGTGGAGTTAGCAGCACA 2520
4696 AGAAAGT	Q B 4	
	? B &	2341 GCTATATTGTGGGGGAAAAAATCAGTTCAAGGGAAGTCGGGAGACCTGATTTCTAATAC 2400 
	D 29	2281 GGCAGTGGGAATTGACCACAGGATTATAGTCCACGTGATCCTGGGTTCTAGGAGGCAGG 2340

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promoter DNA. (first entry)

glaucoma; TIGR; promoter; inherited glaucoma; sen angle glaucoma; intraocular pressure; eld loss risk increase.

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Best Local Similarity
Matches 4082; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a method of treating glaucomatous patient comprising determining whether the patient has a mutation in the TIGR promoter consisting of TIGRuntl and/or TIGRuntl1 and administering a non-steroidal anti-inflammatory drug to the patient. The method is useful for the treatment of a glaucomatous patient, i.e. patient having glaucoma, e.g. inherited glaucoma or primary open angle glaucoma. The method allows the identification of individuals at risk for progressive increases in intraocular pressure, which is a risk factor for glaucoma. It also allows the identification of individuals among ocular hypertensive/glaucoma suspect groups at increased risk of visual field loss. The present sequence represents the human TIGR promoter DNA.
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                                                         CTTTCTTCCCTCATCCTCATTTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTGTG
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GTAAGCCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAGTTCCATTTGGGGCCA
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 CATGTCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTATGCAAGACGGTCGAA
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                                                                            GAAGCGAGCTCATTTCCTAGGCCGTTAATTCACGGAAGAAGTGACTGGAGTCTTTTCTTT
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, -	Q VQ	701 TTGTAAATGTCTCAAGTTCAGGCTTAACTGCAGAACCAATCAAATAAGAATAAGAATCTTT
3721 ACTAGAAATATATCCTTGTTGAAATCAGCACCAGTAGTCCTGGTGTAAGTGTGTGT	D Q	2641 TACTATCTGATTCAGAAAATGAGACTAGTACCCTTTGGTCAGCTGTAAACAAAC
3661 AGCATAGTGCCTGGCACAGTGCAGGTTCTCAATGAGTTTGCAGAGTGAATGGAAATATAA 	Qy db	2581 TCAAGCCTAGGTCTTGCTGACTATATGATTGGTTTTTTGAAAAATCATTTCAGCGATGTT 2640
3601 GCTGTTATTTTTCTCTGTCCTGCTACGTCTTAAAGGACTTGTTTGGATCTCCAGTTCCT	da Qy	2521 AGGGCAATCCCCGTTTCTTTTAACAGGAAGAAAACATTCCTAAGAGTAAAGCCAAACAGAT 2580
CECT 1	p 5	2461 GTAAGATTAGTTAGTTTCTCCTTATTAGGAACTCTTTTTCTCTGTGGAGTTAGCAGCACA 2520
	? B &	2401 TATATTTTTCCTTTACAAGCTGAGTAATTCTGAGCACAGCTCACAAGGTAACTGAGGCT 2460 
	d dd Ao	2341 GCTATATTGTGGGGGAAAAAATCAGTTCAAGGGAAGTCGGGAGACCTGATTTCTAATAC 2400 
	D Q	2281 GGCAGTGGGAATTGACCACAGGGATTATAGTCCACGTGATCCTGGGTTCTAGGAGGCAGG 2340
TAATC	עס עס	2221 AGGGGAGAGAAAAAAGAAGAAGAGGGATAGTGTATGAGCAAGAAAGA
ICCIG	D Q	2161 TGACCAGCACCCCACGCAGCTCAGCAGTGACTGCTGGAGCAGCGAGTGACCTGCAGCGC 2220
3181 GTTGTTGCAGATACGTTGTAAGTGAAATATTTATACTCAAAACTACTTTGAAATTAGACG 	QY db	2101 GCATTCAAAAACTGGGCCAGAGCAAGTGGAAAATGCCAGAGATTGTTAAACTTTTCACCC 2160
ACAGT	- da 4	2041 AATGGCATTTGCCAATAACCAAAAAGAATGCAGAGACTAACTGGTGGTAGCTTTTGCCTG 2100
CTAAC	D QY	1981 CAATGCTTCAGGAAAGCTCAATGAACCCAACAGCCACATTTTCCTTCC
AGTCC 	Qy db	1921 CAGAAGCTGGGTGCTCCATCAGTCCTCACTGATCACGTCAGACTCCAGGACCGAGAGCCA 1980
2941 ATTTGCTTTTGTTTTTCTCTTTTGGGTTTATTAATGTAAAGCAGGGATTATTAACCTAC 	QY Ob	1861 AAGGAGGCAGAGCTGGAGCAGCTGAGCCACAGGGGAGGTGGAGGGGGACAGGAAGGCAGG 1920
2881 ATTATTTCAAGTGGCTTAAAGTTACTTCTGACAGTTTTGGTATATTTATT	dg Qy	
2821 ACTTCACAAGTATTGACACTGTTGTTGGTATTAACAACATAAAGTTGCTCAAAGGCAATC 	Оу	
2761 AGAGCAAACTGTGTTTCTCCACTCTGGAGGTGAGTCTGCCAGGGCAGTTTGGAAATATTT	 Db	1681 AACCTTGGAATCAGGAGACTCGGTTTTCTTTCTGGTTCTGCCATTGGTTGG

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The invention relates to a method of providing treatment to a glaucomatous patient involves (a) determining whether the patient has a mutation in the trabecular meshwork glucocorticoid response (TIGR) promoter selected from TIGRmt1, TIGRmt11, or both TIGRmt1 and TIGRmt11 and (b) administering a non-steroidal anti-inflammatory drug (NSAID) to the patient. Also included are a method of preventing increases in intraocular pressure in a patient predisposed to developing glaucoma, a
                                                                                                                                                                                                                                                                                    Treatment of glaucomatous patient involves determining whether patient has a mutation in trabecular meshwork glucocorticoid response promoter followed by administration of non-steroidal anti-inflammatory drug.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               05-NOV-2001; 2001US-00985637.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22-DEC-2003; 2003US-00741339.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           glaucoma; SNP; single nucleotide polymorphism; non-steroidal anti-inflammatory drug; NSAID; intraocular preinherited glaucoma; open angle glaucoma; primary open angle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; ds; trabecular meshwork glucocorticoid response; TIGR; 5' region;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human trabecular meshwork glucocorticoid response, TIGR,
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cc method for decreasing the mean diurnal intra-ocular pressure in a cc patient, a method of providing treatment to a patient known to possess at cleast one mutation in the TIGR gene selected from TIGRmt1 and TIGRmt11, ca method of selecting a patient for a clinical trial, a method of cimproving the results of a drug study involving a treatment for elevated crisk for developing elevated intraocular pressure, a method of ctesting the efficacy of a therapeutic agent at counteracting glaucoma pathogenic mechanisms The methods are used for preventing increases in cristocular pressure in a patient (i.e. a patient having asymptomatic cristocular pressure in a patient counteracting glaucoma pathogenic mechanisms The methods are used for preventing increases in creasing the mean diurnal intra-ocular pressure in a patient of cular inflammation. The method allows the identification of individuals at risk for progressive increase in intraocular pressure and the the sullows the identification of individuals among ocular counters the identification of individuals among ocular is an appearance is the identification of individuals among ocular pressure in the present sequence is the 5' region of the human figr gene.
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Matches 4081; Conservative
                                                                                                                                                                                                                                                                                       This sequence is a trabecular meshwork induced glucocorticoid response protein (TIGR) promoter region which is used in a method for diagnosing glaucoma in a patient. The method involves the detection of polymorphisms whose presence is predictive of a mutation affecting TIGR response in the patient and can be diagnostic of glaucoma or steroid sensitivity. Base substitutions and base additions upstream of and within TIGR exons can
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                                         AGTAAGAACTGATTTAGAGGCTAACATTGACATTGGCGTGCCTGAGATGCAAGACTGAAATT
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97US-00791154. 97US-00938669.

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Homo sapiens.
Synthetic.
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                                                                                                           Location/Qualifiers
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/note= "Wild-type A is replaced by G"
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Best Local Similarity
Matches 4081; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This sequence is a trabecular meshwork induced glucocorticoid response protein (TICR) promoter mutant, TICRmt4, which is used in a method for diagnosing glaucoma in a patient. The method involves the detection of polymorphisms whose presence is predictive of a mutation affecting TICR response in the patient and can be diagnostic of glaucoma or steroid sensitivity. Base substitutions and base additions upstream of and within TICR exons can also be used to diagnose glaucoma
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3899 AAGGTTATTTTCTAAGAATCTTGCTGGCAGGCGTGAAGGCAACCCCCCTGTGCACAGCCCC 3958	2821 ACTTCACAAGTATTGACACTGTTGTTGGTATTAACAACATAAAGTTGCTCAAAGGCAATC 2 
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3601 GCTGTTATTTTTCCTGTCCCTGCTACGTCTTAAAGGACTTGTTTGAATCTCCAGTTCCT 3660 	521 AGGGCAATCCCGTTTCTTTTAACAGGAAGAAAACATTCCTAAGAGTAAAGCCAAACAGAT 2 
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191   STIGLIGCASSIACG	2101 GCATTCAAAAACTGGGCCAGAGCAAGTGGAAAAATGCCAGAGAATTGTTAAACTTTTCACCC 2160
. 0. 1	2041 AATGGCATTTGCCAATAACCAAAAAGAATGCAGAGACTAACTGGTGGTAGCTTTTGCCTG 2100
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216 AGTCCAGAAAGCCTGTGAATTTGAATGAGGAAAAATTACGTTTTTTTT	1921 CAGAAGCTGGGTGCTCAGTCCTGACTGACTCAGGTCCAGGACCGAGAGGCCA 1980
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	1801 GCTCTCGTGTTCTGTGAACACTTCCCTGTGATTCTCTGTGAGGGGGGGATGTTGAGAGGGG 1860

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Best Local Similarity
Matches 4081; Conserv
                                                                                                                                                                                                                                                                               Use of TIGR nuc
for diagnosis,
                                                                                                                                                                        This sequence is a trabecular meshwork induced glucocorticoid response protein (TIGR) promoter variant, TIGRSv1, which is used in a method for diagnosing glaucoma in a patient. TiGRsv1 which is used in a method for polymorphisms whose presence is predictive of a mutation affecting TIGR response in the patient and can be diagnostic of glaucoma or steroid sensitivity. Base substitutions and base additions upstream of and withing the patient and can be diagnostic.
                                                                                                                                          Sequence
                                                                                                                                                                                                                                                           Disclosure; Fig 2; 105pp; English.
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26-SEP-1997;
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Db 3736 AGGGAATCCCGTTTCTTTAACAGGAAGAAAAACATTCCTAAGAGTAAAGCCAAACAGAT  Qy 2581 TCAAGCCTAGGTCTTGCTGACTATATGATTGTTTTTGAAAAATCATTTCAGCGATGTT  Db 3796 TCAAGCCTAGGTCTTGCTGACTATATGATTGGTTTTTTGAAAAATCATTTCAGCGATGTT  Qy 2641 TACTATCTGATTCAGAAAATGAGTACCCTTTTGGTCAGCTGTAAACACCCAT
Db 3436 AGGGAGAGAAAAAGAGAGAGAGAGATTCTATGAGCAAGGAAAGAAGAAGAAGAAGAAGAAGAAGAAGAAGA
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               This sequence is a trabecular meshwork induced glucocorticoid response protein (TIGR) promoter mutant, TIGRmt5, which is used in a method for diagnosing glaucoma in a patient. The method involves the detection of polymorphisms whose presence is predictive of a mutation affecting TIGR response in the patient and can be diagnostic of glaucoma or steroid sensitivity. Base substitutions and base additions upstream of and withing TIGR exons can also be used to diagnose glaucoma
                                                                                                                                                                                                           28-JAN-1997;
26-SEP-1997;
                                                                                               Disclosure; Fig 2; 105pp; English.
                                                                                                                  Use of TIGR nucleic acid sequences - used for, e.g. for diagnosis, prognosis and treatment of glaucoma.
                                                                                                                                                   WPI; 1998-427946/36.
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1081 CTTCCAAGCCTCCTCCATCAGTCACAGCGCTGCAGCCTGGCCTCGCTTCCCGTG 1140	GGCCACCTCCCTAGCGCCCCCTGCTGCCTCCATCGTGCCCGGAGGCCCCCAAGCCCGAGT 108	1 GTGCTGAAAGAAAGGAAATAAACACCATCTTGAAGAATTGTGCGCAGCATCCCTTAACAA [	901 GTGACAGTTTCTCATGGAAGACGTGCAGAAGAAATTAATAGCCAGCC	TCTGCCAGACACAGAGACAAAATGGTGAGCAAAGCAGTCACTGCCCTACCTTCGTGGAG 900	781 ATTICTGTGACTCGTTCATTCATCCAGGCATTCATTGACAATTTATTGAGTACTTATA 840  986 ATTICTGTGTGACTCGTTCATTCATCCAGGCATTCATTGACAATTTATTGAGTACTTATA 840	ACCIGCAGCCCGIGCACIGGITGITTIGITATCACICICTAGGACCIGTIGCTITCI 780	661 AGGTTTCCTCTCCAGCTGGGGGGGCCTGCAAGCACCCGGGGTCCTGGGTGTCCTGAGCA 720	TCTGTGTGTGTGTATAGGGGAAGAGGGCATACCCCAGAGACTCCTTGAAGCCCCCGGCAG	541 GTAAGCCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAGTTCCATTTGGGGCCA 600	481 CITICITCCTCATCCTCATTTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTGTG 540	TIGGGATGGGGAATGGTGCCATGAGCTGCCTAGTCCCAGACCACTGGTCCTCATCA 480	361 TIGAATGGTTTACTAAACCAACAGGGAAAACAGACAAAAGCTGTGATAATTTCAGGGATTC 420 	301 TGGGATTACAGGCATGAGTCACCGCGCCCAGGGTCAGTGTTTTAATAAGGAATAAC 3	241 CCCGGCTGGTCTTGAACTCCTGACCTCAGGTGATCCACCCAC	181 ACAGGCGCACGCCCGGCTAATTTTTGTATTGTTAGTAGAGATGGGGTTTCACCATATTAG 240	121 AACCTCTGCCTCCCAGGTTCAAGCAATTCTCCTGTCTCAGCCTCCGGGTAGCTGGGACT 180	61 CGTGAGGGTGAGGGTCTGTGTCTTACACCTACCTGTATGCTCTACACCTGAGCTCACTGC 120	1 GCTCCACAGGAAGTCTCCCCACTCTAGACTTCTGCATCACGATGTTACAGCCAGAAGCTC 60 
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DNA; 5300 ₽₽

18 entry)

er mutant TIGRmt1 DNA.

meshwork induced glucocorticoid response protein; human; ma; polymorphism; steroid sensitivity; mutant; ss.

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Best Local Similarity 99.9
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mutation
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and treatment of glaucoma.
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This sequence is a trabecular meshwork induced glucocorticoid response protein (TIGR) promoter mutant, TIGRmt3, which is used in a method for diagnosing glaucoma in a patient. The method involves the detection of polymorphisms whose presence is predictive of a mutation affecting TIGR response in the patient and can be diagnostic of glaucoma or steroid sensitivity. Base substitutions and base additions upstream of and withing TIGR exons can also be used to diagnose glaucoma
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1921 CAGAAGCTGGGTGCTCCATCAGTCCTCACTGATCAGACTCCAGACCCAGAGCCA 1980	3016 GCTCTCGTGTTCTGTGAACACTTCCCTGTGATTCTCTGTGAGGGGGATGTTGAGAGGGG 3075  1861 AAGGAGGCAGAGCTGAGCCACACGGGAAGGTGGAGGGGGAACACGAAGGCAGG 1920	741 CGIGGGCAAGTGICTCTCCCTTCCCTGGGCCATAGICTTCTCTGCTATAAAGACCCTTGCA 18	2836 CATGTCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTATGCAGAGACGTCGAA 2895  1681 AACCTTGGAATCAGGAGACTCGGTTTTCTTGGTTCTGGTTTGGTTGG	1561 GAAGCGAGCTCATTTCCTAGGCCGTTAATTCACGGAGAAGTAGTGGAGTCGTTTTCTTT 1620	01 16	1441 CTGCTTGGAGGAGAAGAAGTCTATTTCATGAAGGGATGCAGTTTCATAAAGTCAGCTGTT 1500	1381 AGTGTTGTTCACGGGGCTGGGAGTTTTCCGTTGCTTCCTGTGAGCCTTTTTTATCTTTTCT 1440	12-12	1261 GCCTCCACGTCCAGGAGAATTCCAGGAGGTGGGGACTGCAGGAGTGGGGACGCTGGGGC 1320	1201 AGAGGGAAACTAGTCTAACCGGAGAATCTGGAGGGGACAGTGTTTCCTCAGAGGGAAAGGG 1260 	1141 AATCGTCCTGGTGCATCTGAGCTGGAGACTCCTTGGCTCCAGGCTCCAGAAAGGAAATGG 1200	1081 CTTCCAAGCCTCCTCCATCAGTCACAGCGCTGCAGCTGGCCTGCCT	1021 GGCCACCTCCCTAGGGCCCCCTGCTGCCTCCATCGTGCCCGGAGGCCCCCAAGCCCGAGT 1080	2176 GTGCTGAAAGAAAGGAAATAAACACCATCTTGAAGAATTGTGCGCAGCATCCCTTAACAA 2235
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3011 ASICCAGAAAGCCTGIGAATTIGAGGAAAAATTIACATTITTGTTTTTACCACCTT 3060	ATTIGCTITITGTTTTTTCTCTTTGGGTTTATTAATGTAAAGCAGGATTATTAACCTAC	2821 ACTICACAAGIATIGACACTGITGITGGTATTAACAACATAAAGITGCICAAAGGCAATC 2880	AGAGCAAACTGTGTTTCTCCACTCTGGAGGTGAGTCTGCCAGGGCAGTTTGGAAATATATTT AGAGCAAACTGTGTTTCTCCACTCTGGAGGTGAGTCTGCCAGGGCAGTTTGGAAATATTT AGAGCAAACTGTGTTTCTCCACTCTGGAGGTGAGTCTGCCAGGGCAGTTTGGAAATATTT AGAGCAAACTGTGTTCTCCACTCTGGAGGTGAGTCTGCCAGGGCAGTTTGGAAATATTT		2581 TCAAGCCTAGGTCTTGCTGACTATGATTGATTTTTGAAAAATCATTTCAGCGATGTT 2640	2521 AGGGCAATCCCGTTTCTTTAACAGGAAGAAAACATTCCTAAGAGTAAAGCCAAACAGAT 2580 	2461 GTAAGATTACTTAGTTTCTCCTTATTAGGAACTCTTTTTCTCTGTGGAGTTAGCAGCACA 2520 	2401 TATATTTTTCCTTTACAAGCTGAGTAATTCTGAGCAAGTCACAAGGTAGTAACTGAGGCT 2460 	2341 GCTATATTGTGGGGGAAAAAATCAGTTCAAGGGAAGTCGGGAGACCTGATTTCTAATAC 2400	496	2221 AGGGGAGGAGAAAAACAGAGAGGGATAGTGTATGAGCAAGAAGACAGATTCATTC	2161 TGACCAGCACCCCACGCAGCTCAGCAGTGACTGCTGACAGCACGGAGTGACCTGCAGCAGC 2220	CCAIT CAAAAACTGGGCCAGAGCCAAGTGGAAAATGCCAGAGATTGTTAAACTTTTCACCC	

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Query Match
Best Local Similarity
Matches 4077; Conserv

Conservative

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Score 4057.4; Pred. No. 0; 0; Mismatches

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CGTGAGGGTGAGGGTCTGTGTCTTACACCTACCTGTATGCTCTACACCTGAGCTCACTGC

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The present sequence represents a sequence varaint of the TIGR CC (trabecular meshwork inducible glucocorticoid receptor) promoter. The CC specification describes a method for the diagnosis, prognosis and CC treatment of glaucoma, based on detecting specific polymorphisms in the CC promoter of the TIGR gene. The method is used for diagnosis and prognosis CC of glaucoma (of all types), steroid sensitivity and progressive ocular CC hypertension that leads to loss of vision. Glaucoma can be treated by CC administering an agent that binds to cis-acting elements within the TIGR CC promoter. The TIGR promoter (or other regulatory regions) can be used to express homologous or heterologous genes, particularly for tissue—CC express homologous or heterologous genes, particularly for tissue—CC specific expression of therapeutic transgenes for treating glaucoma, also CC control transgenic animals and in screening for compounds (specific CC modulators) with diagnostic or therapeutic potential. Fragments of the CC TIGR sequence can be used as amplification primers or probes, e.g. for isolating related sequences in non-human animals
                                                                                                                                                                                                                                                                                                                    Diagnosis, prognosis and treatment of glaucoma, based on specific polymorphisms in the promoter of the trabecular inducible glucocorticoid receptor gene.
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                                                                                                                                                                                                                                                                                         Claim 79; Fig 2A-E; 122pp;
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07-MAY-1999;
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Sequence 5304 BP; 1481 A; 1150 C; 1239 G;
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/note= "GTGT added to produce T:
replace(5117, C)
/+tag= e
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99US-00306828.
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replace(4337, G)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "TIGRmt1
replace(4950, T)
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"TIGRmtll mutant"
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   1434 T; 0 U; 0 Other;
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meshwork
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Qy         2221         AGGGGAGGACAAGAAAAAGACAGGGGATAGTGTTATGAGCAAGAATAAGACAGATTCATTC		1141 AATCGTCCTGGTGCATCTGAGCTGGAGACTCCTTGGCTCCAGGCTCCAGAAAGGAAATGG 1200	•
QY 2161 TGACCAGCACCCCACGCAGCTCAGCAGTGACTGCTGACAGCACGGAGTGACCTGCAGCGC		1081 CTTCCAAGCCTCCTCCATCAGTCACAGCGCTGCAGCTGGCCTGCCT	
QY 2101 GCATTCAAAAACTGGGCCAGAGCAAGTGGAAAATGCCAGAGATTGTTAAACTTTTCACCC		1021 GGCCACCTCCCTAGCGCCCCCTGCTGCCTCCATCGTGCCCGGAGGCCCCCAAGCCCGAGT 1080	
QY 2041 AATGGCATTTGCCAATAACCAAAAAGAATGCAGAGACTAACTGGTGGTAGCTTTTGCCTG		961 GTGCTGAAAGAAAGGAAATAAACACCATCTTGAAGAATTGTGCGCAGCATCCCTTAACAA 1020 	
QY 1981 CAATGCTTCAGGAAAGCTCAATGAACCCAACAGCCACATTTTCCTTCC		901 GTGACAGTTTCTCATGGAAGACGTGCAGAAGAAAATTAATAGCCAGCC	
6 1		841 TCTGCCAGACACCAGAGACAAAATGGTGAGCAAAGCAGTCACTGCCCTACCTTCGTGGAG 900 	
1861 3076		781 ATTTCTGTGTGACTCGTTCATTCATCCAGGCATTCATTGACAATTTATTGAGTACTTATA 840	
Qy 1801 GCTCTCGTGTTCTGTGAACACTTCCCTGTGATTCTCTGTGAGGGGGGATGTTGAGAGGGG		721 ACCTGCCAGCCGGTGCCACTGGTTGTTTTTGTTATCACTCTCTAGGGACCTGTTGCTTTCT 780	
1741 2956		661 AGGTTTCCTCTCCAGCTGGGGGAGCCCTGCAAGCACCCCGGGGTCCTGGGTGTCCTGAGCA 720	
Qy 1681 AACCTTGGAATCAGGAGACTCGGTTTTCTTGTTTCTGGTTGGCATTGGTTGG		601 TCTGTGTGTGTGTATAGGGGAGGGGATACCCCAGAGACTCCTTGAAGCCCCCGGCAG 660	
1621 2836		541 GTAAGCCTCCACATCGTTACTGAAATAAGAGTATACATAAACTAGTTCCATTTGGGGCCA 600 	
1561 2776		481 CTTTCTTCCCTCATCCTCATTTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTGTG 540	
1501 2716		421 TIGGATGGGAATGGTGCCATGAGCTGCCTGCCTAGTCCAGACCACTGGTCCTCATCA 480	
1441 2656		361 TTGAATGGTTTACTAAACCAACAGGAAAACGAGACAAAAGCTGTGATAATTTCAGGGATTC 420 	
1381 2596		301 TGGGATTACAGGCATGAGTCACCGCGCCCGGCCAAGGGTCAGTGTTTAATAAGGAATAAC 360 	
1321 2536	<del>.</del>	241 CCCGGCTGGTCTTGAACTCCTGACCTCAGGTGATCCACCCAC	
1261 2476		181 ACAGGCGCACGCCCGGCTAATTTTGTATTGTTAGTAGAGATGGGGTTTCACCATATTAG 240	
1201 2416		121 AACCTCTGCCTCCCAGGTTCAAGCAATTCTCCTGTCTCAGCCTCCCGCGTAGCTGGGACT 180	
2356		1276 CGTGAGGGTCTGTGTCTTACACCTACCTGTATGCTCTACACCTGAGCTCACTGC 1335	

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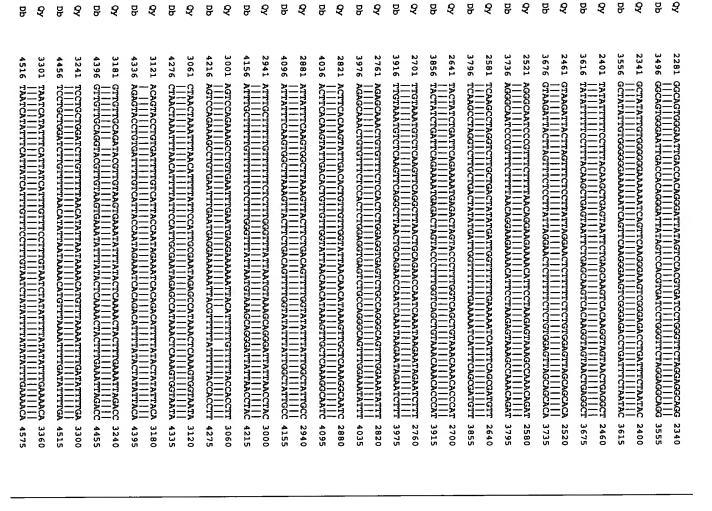
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4074	TATATAAACCTCTCTGGAGCTCAGGCATGAGCCAGCCAAGGCCACCCATCCAGGCACCTCT	4015	Ş
5235		5176	망
4014	CCCCACCCAGCCTCACGTGGCCACCTCTGTCTTCCCCCCATGAAGGGCTGGCT	3955	Ş
5175	CTGGAAGGTTATTTTCTAAGAATCTTGCTGGCAGCGTGAAGGCAACCCCCCTGTGCACAG	5116	뮍
3954	CTGGAAGGTTATTTTCTAAGAATCTTGCTGGCAGGCGTGAAGGCAACCCCCCTGTGCACAG	3895	ð
5115	ATTGGGGTATGGGGTGCATAAATTGGGATGTTCTTTTTTAAAAAGAAACTCCCAAACAGACTT	5056	ర్జు
3894	ATTGGGGTATGGGTGCATAAATTGGGATGTTCTTTTTAAAAAGAAACTCCAAACAGACTT	3835	Ş
5055	GTGTGT	4996	망
3834	GTGTGTGTGTGTGTGTGTGTAAAACCAGGTGGAGATATAGGAACTATT	3781	ð
4995		4936	рb
3780	ACTAGAAATATATCCTTGAAATCAGCACACCAGTAGTCCTGGTGTAAGTGTGTGT	3721	Ş
4935	AGCATAGTGCCTGGCACAGTGCAGGTTCTCAATGAGTTTGCAGAGTGAATGGAAATATAA	4876	뮍
3720		3661	Ş
4875	GCTGTTATTTTTCTCTGTCCCTGCTACGTCTTAAAGGACTTGTTTTGGATCTCCAGTTCCT	4816	뮍
3660		3601	Ś
4815	CGCTTCTATAGGAATGCTCTCCCTGGAGCCTGGTAGGGTGCTGTCCTTGTGTTCTGGCTG	4756	멍
3600		3541	S
4755		4696	Дb
3540	AGAAAGTTCTCCCAAAGATACACAGTTGTTTTAAAGCTAGGGGTGAGGGGGGAAATCTGC	3481	ą
4695	AGTAAGAACTGATTTAGAGGCTAACATTGACATTGGTGCCTGAGATGCAAGACTGAAATT	4636	멍
3480		3421	S
4635		4576	뫄
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Search completed: March 24, 2006, 02:09:10 Job time: 3214 secs

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Result
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Maximum Match 100%
Listing first 45 summaries
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Perfect score:
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Query
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13731.962 Million cell updates/sec
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Copyright (c) 1993 - 2006 Biocceleration Ltd.
                              SUMMARIES
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No.	Score 664.4 654	Match Length	Length 756 654	9 B	ID BI821411 CA391750
به د	628.2	10.9	877 937	ω თ	CD172504 B1818249
σ	611.8	10.2	635	δ	CA392464
თ	607	10.1	607	7	CV574677
7	604	10.1	1515	10	AY416721
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13	581	9.7	581	ω	BP260344
14	581	9.7	581	ω	BP342027
15	580.4	9.7	582	ω	BP341905
16	578.4	9.6	580	w	BP342858
17	577.4	9.6	579	7	CV030235
18	560.6	9.3	567	ω	BP368724
19	531	8.8	531	σ	CA395551
20	525.6	8.8	540	بر	AU298286
21	512.6	8.5	1497	10	AY416722
22	501.4	8.4	202	١	

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278.4 234.6	297.6	317.2	340.8	343.8	371	378.8	383.8	384.4	393.8	404.4	404.8	409.4	412.8	417.8	429	433.6	459	461	464.6	469	498.4
3.6 9.6	5.0	5.3	5.7	5.7	6.2	6.3	6.4	6.4	6.6	6.7	6.7	6.8	6.9	7.0	7.1	7.2	7.6	7.7	7.7	7.8	8.3
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		BB617903 BB617903	BI540290 453313 MA	BB024293 BB024293	CA391298 cs13e03.y	CD515039 AGENCOURT	CD677941 ho24f06.	BP366528 BP366528	CA394076 cs46h09.	CK625171 mi29h12.y	CK624800 mi25d	w	DN426956 LIB4216-0		BF726094 bx23h10.y	BY733575 BY733575	BX483934 DKFZp686I	AU297866 AU297866	BP342996 BP342996	BF725009 bx11a12.y	CA394815 cs56g05.y

## ALIGNMENTS

BOTTCE	FEATURES	REFERENCE AUTHORS TITLE JOURNAL COMMENT	RESULT 1 B1821411 LOCUS DEFINITION ACCESSION VERSION VERSION KERWORDS SOURCE ORGANISM
/organism="Homo sapiens" /mol_type="mRNA" /mol_type="manaling" /mo	Email: cgapbs-r@mail.nih.gov Tissue Procurement: Life Technologies, Inc. cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov plate: LLAMI1446 row: h column: 21 High quality sequence stop: 754. Location/Qualifiers 1. 756	Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Butheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.  1 (bases 1 to 756) NIH-MGC http://mgc.nci.nih.gov/. National Institutes of Health, Mammalian Gene Collection (MGC) Unpublished (1999) Contact: Robert Strausberg, Ph.D.	BI821411 756 bp mRNA linear EST 04-OCT-2001 603038284F1 NIH_MGC_115 Homo sapiens cDNA clone IMAGE:5179076 5', mRNA sequence. BI821411 BI821411 GI:15932961 EST. Homo sapiens (human)

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AUTHORS
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CA391750
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                                                                                                                                                                   5', mRNA sequence.
CA391750
CA391750.1 GI:24723905
                                                        Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                                                                                                                                                                                                                         CA391750 654 bp cs18e04.yl Human Retinal pigment (Un-normalized, unamplified): cs
Hominidae; Homo.

1 (bases 1 to 654)
Wistow,G., Bernstein,S.L., Wyatt,M.K., Farris,R.N.,
Touchman,J.W., Bouffard,G., Smith,D. and Peterson,K.
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Matches 654; Conserv
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Mol. Vis. 8 (4), 205-220 (2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        National Eye Institute
6/331, NIH, Bethesda, MD 20892-2740,
Tel: 301 402 3452
Fax: 301 496 0078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Email: graeme@helix.nih.gov
Plate: 18 row: e column: 04
Seq primer: M13RP1 reverse pr
Location/Qualifiers
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   GAGCTGGGCACCCTGAGGCGGGAGCGGGACCAGCTGGAAACCCAAACCAGAGAGTTGGAG
                                                                             CACCAATTGACCTTGGACCAGGCTGCCAGGCCCCAGGAGACCCCAGGAGGGGCTGCAGAGG
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/note="Organ: Eye; Vector: pcMVSPORT6; Two different donor eyes (75-80 years old) yielded approximately 600 mg of dissected RPE/choroid tissue. This in turn yielded 340 ug of total RNA and 7 ug of mRNA. A directionally cloned cDNA library in the pcMvSPORT6 vector was constructed at Life Technologies (Rockville, MD; now part of Invitrogen Corp), essentially following the protocols of the SuperScript Plasmid System (Invitrogen Corp.). *http://www.invitrogen.com/>). The library code designation was cs. For this library, cDNA inserts were cloned into the NotI/MlI sites of the vector. EST analysis was performed on the unamplified library at the NIH Intramural Sequencing Center (NISC)."
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/mol_type="mRNA"
/db_xref="taxon:9606"
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/lab_host="EMDH10B"
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Pred. No. 3.1e-104;
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                       61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tissue Procurement: Dr. Michael Brownstein
CDNA Library Preparation: Invitoge Corp
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can l
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
plate: NDAM437 row: e column: 08
High quality sequence stop: 739.
Location/Qualifiers
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1 (bases 1 to 877)

NIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian
Unpublished (1999)
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AGENCOURT 14064069 NIH MGC_181 Homo
IMAGE:30375751 5', mRNA sequence
CD172504
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Robert Strausberg, Ph.D.
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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                                                   TTCTGTGCACGTTGCTGCAGCTTTGGGCCTGAGATGCCAGCTGTCCAGCTGCTGCTTCTG 4188
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cgapbs-r@mail.nih
                                                                                                                                                                                                                                                 /clone="IMAGE:30375751"
/tissue_type="White Matter"
/dev_stage="Unknown"
/lab_host="DHIOB-Ton A ( T1 and T5 phage resistances)"
/clone_lib="NHIM_MGC_181"
/note="Vector: pCMV-SPOR76.1; Site_1: NotI; Site_2: EcoRV (destroyed); Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.42 kb. Library was constructed by (Invitrogen). Note: this is a NIH_MGC Library."
                                                                                                                                                                                                                                                                                                                                                                                                                                               /mol_type="mRNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  organism="Homo sapiens"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  _type="mRNA"
                                                                                                                                                                 Score 653.8; 1
Pred. No. 3.2e
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3.2e-104;
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                                                                                                                                                             Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov

Tissue Procurement: Life Technologies, Inc.

CDNA Library Preparation: Life Technologies, Inc.

CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)

DNA Sequencing by: Incyte Genomics, Inc.

Clone distribution: MGC clone distribution information can

found through the I.M.A.G.E. Consortium/LLNL at:

http://image.llnl.gov

Plate: LLAM11432 row: g column: 18
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, M
Unpublished (1999)
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603032468F1 NIH_MGC_115 Homo
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Mammalia; Eutheria;
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                                                                                                                                             High quality sequence
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                                                   /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
                                                                                                                        ity sequence stop: & Location/Qualifiers
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Query Match
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CA392464 635 bp cs.25b03.yl Human Retinal pigment (Un-normalized, unamplified): cs.5', mRNA sequence.
CA392464 CA392464.1 GI:24725217
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Pred. No. 9.8e-100;
0; Mismatches 4;
                                                               mRNA linear EST epithelium/choroid cDNA Homo sapiens cDNA clone
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Wistow,G., Bernstein,S.L., Wyatt,M.K., Farris,R.N., Behal,A.,
Touchman,J.W., Bouffard,G., Smith,D. and Peterson,K.
Expressed sequence tag analysis of human RPE/choroid for the
NEIBank Project: Over 6000 non-redundant transcripts, novel genes
and splice variants
Mol. Vis. 8 (4), 205-220 (2002)
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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National Eye Institute
6/331, NIH, Bethesda, MD 20892-2740, USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: graeme@helix.nih.gov
Plate: 25 row: b column: 03
Seq primer: M13RP1 reverse pr
Location/Qualifiers
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                                                    AGCAGCACCCAACGCTTAGACCTGGAGGCCACCAAAGCTCGACTCAGCTCCCTGGAGAGC 4410
                                                                                                                                      AGGAAGGCCAATGACCAGAGTGGCCGATGCCAGTATACCTTCAGTGTGGCCAGTCCCAAT
                                                                                                                                                                                                                               AGGAAGGCCAATGACCAGAGTGGCCGATGCCAGTATACCTTCAGTGTGGCCAGTCCCAAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /Clone lib="Human Retinal pigment epithelium/choroid cDNA (Un-normalized, unamplified): cs"
/note="Organ: Eye; Vector: pCMVSPORT6; Two different donor eyes (75-80 years old) yielded approximately 600 mg of dissected RPE/choroid tissue. This in turn yielded 340 ug of total RNA and 7 ug of mRNA. A directionally cloned cDNA library in the pCMVSPORT6 vector was constructed at Life Technologies (Rockville, MD; now part of Invitrogen Corp), essentially following the protocols of the SuperScript Plasmid System (Invitrogen Corp.

-http://www.invitrogen.com/>). The library code designation was cs. For this library, cDNA inserts were cloned into the NotI/MuI sites of the vector. EST analysis was performed on the unamplified library at the NIH Intramural Sequencing Center (NISC)."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /tissue_type="RPE/choroid"
/dev_stage="Adult"
/lab_host="EMDH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="cs25b03"
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RESULT 5 CA392464

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1 (bases 1 to 607)

Rabinowitz,Y., Dong,L. a
Expressed sequence tag a
Unpublished (2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Section on Molecular Structure and Function National Eye Institute 6/331, NIH, Bethesda, MD 20892-2740, USA
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CV574677.1 GI:54479490
EST.
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Fax: 301 496 0078
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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te: 27 row: d column: 04
primer: MI3RP1 reverse primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sapiens
(note="Organ: Bye; Vector: pCMVSport6; Approximately 40ug cotal RNA was extracted from 7 adult human keratoconus corneas. A directionally cloned CDNA library in the pSPORT1 vector (Invitrogen) was constructed at Bioserve Biotechnology (Laurel MD) essentially following the protocols of the SuperScript Plasmid System full details of which are contained in the manufacturer's Instruction manual (http://www.lifetech.com/). First strand synthesis was carried out using a Not I primer-adapter [5-pGACTAGTTCTAGTCGGACCGGCCCC(T)15-3']. cDNA was cloned in Not I/Sal I sites. EST analysis was performed or
                                                                                                                                                                                               /clone lib="Human keratoconus cornea, unamplified, (od/oe)"
                                                                                                                                                                                                                                /tissue_type="Cornea"
/dev_stage="Adult"
/lab_host="EMDH10B"
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="oe27d04"
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   analysis was performed on
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                                  1 (bases 1 to 1515)
Clark, A.G., Glanowski, S., Nielson, R., Thomas, P., Kejariwal, A., Todd, M.A., Tanenbaum, D.M., Civello, D.R., Lu, F., Murphy, B., Ferriera, S., Wang, G., Zheng, X.H., White, T.J., Sninsky, J.J., Adams, M.D. and Cargill, M.
Inferring nonneutral gene trios
                                                                                                                                           Mammalia, Eutheria;
                                                                                                                                                            Eukaryota;
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                                                                                                                                                                                             Homo sapiens (human)
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                                                                                                                           Hominidae; Homo.
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Query Match
Best Local Similarity
Matches 607; Conserv
genomic survey sequence
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                                           Homo sapiens MYOC gene,
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Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Eutheria; Euarchontoglires; Primates; Catarrhini;

evolution

from

human-chimp-mouse orthologous

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2 (Clark, A.G., Glanowski, S., Nielson, R., Thomas, P., Kejariwal, A., Todd, M.A., Tanenbaum, D.M., Civello, D.R., Lu, F., Murphy, B., Ferriera, S., Wang, G., Zheng, X.H., White, T.J., Sninsky, J.J., Adams, M.D. and Cargill, M. Direct Submission
Submitted (16-NOV-2003) Celera Genomics, 45 West Gude Drive, Rockville, MD 20850, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Science
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/mol_type="genomic DNA"
/db_xref="taxon:9606"
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1 (bases 1 to 608)
Suzuki Y., Yamashite, R., Shirota, M., Sakakiba Suzuki Y., Yamashite, R., Shirota, M., Sakakiba Suzuki Janashite, R., Shirota, M., Sakakiba Suzuki, Yamashite, R., Shirota, M., Sakakiba Suzuki, Yamashite, R., Shirota, M., Sakakiba Suzuki, Yamashite, R., Shirota, M., Sakakiba Suzuki, Y., Shirota, M., Shirot
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BP382502 Sugano cDNA library, adipose tissue Homo sapiens cDNA
clone adSH02027, mRNA sequence.
BP382502
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Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Jaj
Email: ysuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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Contact: Yutaka Suzuki
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                                   AAAGCTCGACTCAGCTCCCTGGAGAGCCTCCTCCACCAATTGACCTTGGACCAGGCTGCC
                                                                                                                                                    TCAGTCATCCATAACTTACAGAGAGACAGCAGCACCCAACGCTTAGACCTGGAGGCCACC
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/mol_type="mRNA"
/db_xref="taxon:9606"
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/clone_Tib="Sugano cDNA library,
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Pred. No. 1.7e-94;
0; Mismatches 6;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fu.G.K., Wang,J.T., Yang,J., Au-Young,J. a Circular rapid amplification of cDNA ends extension cloning of partial genes extension 684 (1), 205-210 (2004)
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1 (bases 1 to 6
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CD607955.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Fu GK
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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            ATTGACCTTGGACCAGGCTGCCAGGGCCCCCAGGAGACCCAGGAGGGGGCTGCAGAGGGAGCT
                                                     ACGCTTAGACCTGGAGGCCACCAAAGCTCGACTCAGCTCCCTGGAGAGACCTCCTCCACCA
                                                                                                CCCAGAGCAGAGCCAGGCCATGTCAGTCATCCATAACTTACAGAGAGACAGCAGCAGCACCCA
                                                                                                                                            TGACCAGAGTGGCCGATGCCAGTATACCTTCAGTGTGGCCAGTCCCAATGAATCCAGCTG
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                                                                                                                                                                                                                                                                                                                                                        /organism="Homo sapiens"
/mol type="mRNA"
/db_xref="taxon:9606"
/clone_lib="FLP"
/note="Vector: pDrive Cloning Vector"
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Pred. No. 4.4e-93;
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s for high-throughput
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1 (bases 1 to 583)

Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J., Mizushima-Sugano, J., Nakai, K. and Sugano, S.

Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions

Genome Res. 14 (9), 1711-1718 (2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP343359 Sugano cDNA library, stomach clone STM07393, mRNA sequence.

BP343359
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                                                                                                                                       GCTGTCCAGCTGCTTCTGGCCTGCCTGGTGTGGGATGTGGGGGGCCAGGACAGCTCAG
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                                              CTCAGGAAGGCCAATGACCAGAGTGGCCGATGCCAGTATACCTTCAGTGTGGCCAGTCCC
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="STW07393"
/tissue_type="stomach mucosa"
/clone_Tib="Sugano cDNA library, stomach mucosa"
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100.0%;
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Matches 583; Conserv
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                                                                                                                                                                                                                                                                                                                                                                  Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hominidae, Homo.

1 (bases 1 to 584)

Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J.,

Mizushima-Sugano, J., Nakai, K. and Sugano, S.

Sequence comparison of human and mouse genes reveals a homologous

Sequence totture in the promoter regions

block structure in the promoter regions

Genome Res. 14 (9), 1711-1718 (2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP341455 Sugano cDNA library, stomach clone STM02509, mRNA sequence.
BP341455 BP341455 GI:52271175
EST.
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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GCTGTCCAGCTGCTTCTGGCCTGCCTGGTGTGGGATGTGGGGGCCAGGACAGCTCAG
                                                                                 CAAGCCTCTGCAATGAGGTTCTTCTGTGCACGTTGCTGCAGCTTTGGGCCTGAGATGCCA
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                                                   CAAGCCTCTGCAATGAGGTTCTTCTGTGCACGTTGCTGCAGCTTTGGGCCTGAGATGCCA
                                                                                                                AGCAAGGCCATCCATCCAGGCACCTCTCAGCACAGCAGAGCTTTCCAGAGGAAGCCTCAC
                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                    /organism="Homo Bapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="STM02509"
                                                                                                                                                                                                                                                          /tissue_type="stomach mucosa"
/clone_Tib="Sugano cDNA library,
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                                                                                                                                                                            Score 582.4; DB 3;
Pred. No. 1.1e-91;
0; Mismatches 1;
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                                                                                                               597;
                                                                                                                                                                                                                                                                                                                     Incyte Genomics,
3160 Porter Dr.,
Tel: 6508454102
                                                                                                                                                                                                                                                                                                                                                                                                   1 (bases 1 to 617)
Fu,G.K., Wang,J.T., Yang,J., Au-Young,J. and Stuve,L.L.
Circular rapid amplification of cDNA ends for high-throughput
extension cloning of partial genes
Genomics 84 (1), 205-210 (2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  56053818J1 FLP Homo sapiens cDNA, CD607956
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
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EST.
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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GAGGTTCTTCTGTGCACGTTGCTGCAGCTTTGGGCCTGAGATGCCAGCTGTCCAGCTGCT
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                                                                               TCCAGGCACCTCTCAGCACAGCAGAGCTTTCCAGAGGAAGCCTCACCAAGCCTCTGCAAT
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                                                   TCCAGGCACCTCTCAGCACAGCAGAGCTTTCCAGAGGGAAGCCTCACCAAGCCTCTGCAAT
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                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                        gfu@incyte.com.
                                                                                                                                                                                           /organism="Homo sapiens"
/mol type="mRNA"
/db_xref="taxon:9606" ·
/clone lib="FLP"
/note="Vector: pDrive Clo
                                                                                                                                                                                                                                                                                        Location/Qualifiers
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                                                                                          Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University
4-6-1, Shirokanedal, Minatoku, Tokyo 108-
Email: ysuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers
                                                                                                                                                                      Hominidae; Homo.

1 (bases 1 to 581)

Suzuki, Y., Yamashita, R., Shirota, M., Sakakiba Mizushima-Sugano, J., Nakai, K. and Sugano, S. Sequence comparison of human and mouse genes block structure in the promoter regions Genome Res. 14 (9), 1711-1718 (2004)

15342556
                                                                                                                                                                                                                                                                                                                                   HRT09556, mRNA sequence.
BP260344
BP260344.1 GI:52175575
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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         /tissue_type="heart"
/clone_lib="Sugano cDNA library,
                                              /mol_type="mRNA"
/db_xref="taxon:9606"
                                     clone="HRT09556"
                                                                      organism="Homo sapiens"
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                                                                                                                     sity of Tokyo
108-8639, Japan
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BP342027 Sugano (
clone SIM03908, r
BP342027
                                   Department of Virology
Institute of Medical Science, Uni
4-6-1, Shirokanedai, Minatoku, To
Email: ysuzuki@ims.u-tokyo.ac.jp.
                                                                                                                                                     1 (bases 1 to 581)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakiba
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)
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Mammalia; Eutheria;
                                                                                                                   Contact: Yutaka Suzuki
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                                                        Science, University of Tokyo
Minatoku, Tokyo 108-8639, Jaj
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      Hominidae; Homo.

1 (bases 1 to 582)
Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J., Mizushima-Sugano, J., Nakai, K. and Sugano, S.
Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)
                                                                                                                                                                                                                  clone STA
BP341905
                                                                                                                                                                                                                             BP341905

BP341905 Sugano cDNA library, stomach mucosa Homo sapiens cDNA clone STM03586, mRNA sequence.
                                                                                                                   Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                                                                                                                                                      Homo
                                                                                                                                                                   Homo sapiens (human)
                                                                                                                                                                                                  BP341905.1 GI:52271664
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/mol type="maNA"

/db_xref="taxon:9606"

/clone="STM03908"

/tissue_type="stomach mucosa"

/clone_Ib="Sugano cDNA library, stomach mucosa"
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Institute of Medical Science, University of Tol-
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639,
Email: ysuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers
1. .582
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                AGAAGAAGCGACTAAGGCAAGAAAATGAGAATCTGGCCAGGA 4624
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                                                                                  CCAGAGAGTTGGAGACTGCCTACAGCAACCTCCTCCGAGACAAGTCAGTTCTGGAGGAAG
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AGAAGAAGCGACTAAGGCAAGAAAATGAGAATCTGGCCAGGA
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/tiввие type="stomach mucoва"
/clone_Tib="Sugano cDNA library,
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      GenCore version 5.1.7 (c) 1993 - 2006 Biocceleration Ltd.
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US-09-306-828-3

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GENERAL INFORMATION:
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SEQUENCE CHARACTERISTICS:
                                                                                                                                                   CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/791,15
FILING DATE: 28-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mendelson, Elliot
REGISTRATION NUMBER: P-42,878
REFERENCE/DOCKET NUMBER: 0742
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 383-6857
TELEPHONE: 202 383-6610
                                                                                                                                                                                                                                                                                                                                                                                                                        OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version
CURRENT APPLICATION DATA:
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ZIP: 20004-2402
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
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APPLICANT: Polansky, Jon R.

TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,

TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND

TITLE OF INVENTION: RELATED DISEASES

NUMBER OF SEQUENCES: 32
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                                    TYPE: nucleic acid
STRANDEDNESS: sing
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OPERATING SYSTEM:
SOFTWARE: FastSE
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CITY: Washington
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4258 TGCCAGTATACCTTCAGTGTGGCCAGTCCCAATGAATCCAGCTGCCCAGAGCAGAGCCAG 4317	δ β δ	AGTTGTTGCAGATACGTTGTAAGTGAAATATTTATACTCAAAACTACTTTGAAATTAGAC
198 GTGTG       415 GTGTG	dg Qg	4275 TCTAACTAAATTTAACATTTTATTCCATTGCGAATAGAGCCATAAACTCAAAGTGGTAAT 4334 3120 AACAGTACCTGTGATTTTGTCATTACCAATAGAAATCACAGACATTTTATACTATATTAC 3179
4138 CGTTGCTGCAGCTTTGGGCCTGAGATGCCAGCTGTCCAGCTGCTGCTTCTGGCCTGCCT	B &	CAGICCAGAAGGCCIGIGAATITIGAATGAGGAAAAAATTACATTTTTTTTTT
4078 CACAGCAGAGCTTTCCAGAGGAAGCCTCACCAAGCCTCTGCAATGAGGTTCTTCTGTGCA	g Q	0 CAGTCCAGAAAGCCTGTGAATTTGAATGAGGAAAAAATTACATTTTTTTT
4018 ATAAACCTCTCTGGAGCTCAGGCATGAGCCAGCAAGGCCACCCATCCAGGCACCTCTCAG	ß 8	 2940 CATTTGCTTTTTGTTTTTTCTCTTTGGGTTTATTAATGTAAAGCAGGGATTATTAACCTA 2999
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CGIGI	용 운	2701 TIGTAAATGTCTCAAGTTCAGGCTTAACTGCAGAACCAATCAAATAAGAATAGAATCTTT 2760 
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TAGAA       TAGAA	dg VQ	2401 TATATTTTTCCTTTACAAGCTGAGTAATTCTGAGCAAGGTACACAGGTAGTAACTGAGGCT 2460 
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ATCTT	) B &	2281 GGCAGTGGGAATTGACCACAGGGATTATAGTCCACGTGATCCTGGGTTCTAGGAGGCAGG 2340
0 ATAA1       5 ATAA1	B Q	2221 AGGGGAGAAAAAAAAAAAGAAGAGATTATGAGCAAGAAAAAAAA
CICCI	p; δ	2161 TGACCAGCACCCCACGCAGCTCAGCAGTGACTGCTGACAGCACGGAGTGACCTGCAGCGC 2220

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LENGTH: TYPE: DN ORGANIS ORGANIS S-09-306-82 Query Matc Best Local Matches 49 y	APPLICANT: Nguyen, Thai D.  APPLICANT: Chen, Pu  APPLICANT: Chen, Pu  APPLICANT: Chen, Hua  APPLICANT: Chen, Hua  TITIE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis; CURRENT APPLICATION NUMBER: US/09/306,828  CURRENT FILING DATE: 1999-05-07  EARLIER APPLICATION NUMBER: US 09/227,881  EARLIER APPLICATION DATE: 1999-01-11  NUMBER OF SEQ ID NOS: 38  SOFTWARE: Microsoft Word 97  SEQ ID NO 3	5 6130 ESULT 2 S-09-306-828- Sequence 3, Patent No. 6 GENERAL INFO	4858 AGGAAAGCACACGATCACCTTCAAGTATTACTAGTAATTTAGCTCCTGAGAGCTTCATT 4 [	Qy 4738 TGGGGGGACTCTGAGTTCAGCAGGTGATATGGCTCGTAGTGACCTGCTACAGGCGCTCCA 4797	Oy 4618 GCCAGGAGGTTGGAAAGCAGCAGGCAGGAGGTAGCAAGGCTGAGAAGGGGCCAGTGTCCC 4677	Qy     4498 GAGCGGGACCAGCTGGAAACCCAAACCAGAGAGTTGGAGACTGCCTACAGCAACCTCCTC     4557	Db 5535 GCCATGTCAGCATCATCATTACAGAAGAACAGCAGCACCCAACGCTTAGACCTGGAGG 5594  Qy 4378 GCCACCAAAGCTCCACCACCAGAGAGCCCCCACCAATTGACCCTTGGACCAG 4437
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221 AGGGGAGGAGAAAAAGAGAGGGGATAGTGTATGAGCAAGAAAGA	0—0	2101 GCATTCAAAAACTGGGCCAGAGCAAGTGGAAAATGCCAGAGATTGTTAAACTTTTCACCC 2160	2041 AATGGCATTTGCCAATAAACCAAAAAGAATGCAGAGACTAACTGGTGGTAGCTTTTGCCTG 2100 	1981 CAATGCTTCAGGAAAGCTCAATGAACCCAACAGCACACATTTTCCTTCC	1921 CAGAAGCTGGGTGCTCCATCAGTCCTCACTGATCACGTCAGACTCCAGGACCGAGAGCCA 1980	1861 AAGGAGGCAGAGCTGGAGCAGCTGAGCCACAGGGAAGGTGGAGGGGGAACAGGAAGGCAGG 1920	1801 GCTCTCGTGTTCTGTGAACACTTCCCTGTGAATCTCTGTGAGGGGGGATGTTGAGAGGGG 1860 	1741 CGTGGGCAAGTGTCTCCTTCCCTTGCGCCATAGTCTTCTCTGCTATAAAGACCCTTGCA 1800	1681 AACCTTGGAATCAGGAGACTCGGTTTTCTTTCTGGTTCTGCCATTGGTTGG	1621 CATGTCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTATGCAAGACGGTCGAA 1680	1561 GAAGCGAGCTCATTTCCTAGGCCGTTAATTCACGGAAGAAGTGACTGGAGTCTTTTCTTT 1620	1501 AAAATTCCAGGGTGTGCATGGGTTTTCCTTCACGAAGGCCTTTATTTA	1441 CTGCTTGGAGGAGAAGAAGTCTATTTCATGAAGGGATGCAGTTTCATAAAGTCAGCTGTT 1500	1381 AGTGTTGTTCACGGGGCTGGGAGTTTTCCGTTGCTTTCTGTGTAGCCTTTTTATCTTTTCT 1440	1321 TGAGCGGGTGCTGAAAGGCAGGAAGGTGAAAAGGGCAAGGCTGAAGCTGCCCAGATGTTC 1380	1261 GCCTCCACGTCCAGGAGAATTCCAGGAGGTGGGGACTGCAGGAGGGAG	1201 AGAGGGAAACTAGTCTAACGGAGAATCTGGAGGGGACAGTGTTTCCTCAGAGGGAAAGGG 1260 	1141 AATCGTCCTGGTGCATCTGAGCTGGAGACTCCTTGGCTCCAGGCTCCAGAAAGGAAATGG 1200 
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	4378 GCCACCAAAGCTCGACTCAGCTCCCTGGAGAGCCTCCTCCACCAATTGACCTTGGACCAG 4437
APPLICATION FILING DAY ATTORNEY AG	4318 GCCATGTCAGTCATACCTTACAGAGAGACAGCAGCACCCAACGCTTAGACCTGGAG 4377
APPLICAT FILING D CLASSIFI	4258 TGCCAGTATACCTTCAGTGTGGCCAGTCCCAATGAATCCAGCTGCCCAGAGCAGAGCCAG 4317
	4198 GTGTGGGATGTGGGGGCCAGGACAGCTCAGCTCAGGAAGGCCAATGACCAGAGTGGCCGA 4257
COUNTR: ZIP: COMPUTER MEDITIM	4138 CGTIGCTGCAGCTTIGGGCCIGAGAIGCCAGCTGTCCAGCTGCTGCTTCTGGCCTGCCTG 4197
	4078 CACAGCAGAGCTTTCCAGAGGAAGCCTCACCAAGCCTCTGCAATGAGGTTCTTCTGTGCA 4137
TITLE OF TITLE OF NUMBER OF	4018 ATAMACCTCTCTGGAGCTCAGGCATGAGCCAGCAAGGCCATCCAGGCACCTCTCAG 4077
GENERAL INFORM APPLICANT: APPLICANT: TITLE OF TANKE	3958 CACCCAGCCTCACGTGGCCACCTCTGTCTTCCCCCCATGAAGGGCTGGCT
RESULT 3 US-08-938-669A-1 Sequence 1, App Patent No. 617	3898 GAAGGTTATTTCTAAGAATCTTGCTGGCAGCGTGAAGGCAACCCCCCTGTGCACAGCCC 3957
6130	3838 GGGGTATGGGTGCATAAATTGGGATGTTCTTTTAAAAAGAAACTCCCAAACAGACTTCTG 3897
6071	3780 CGIGTGTGTGTGTGTGTGTGTGTGTAAAACCAGGTGGAGATATAGGAACTATTATT 3837
6015 4858	3720 AACTAGAAATATATCCTTGTTGAAATCAGCACACCAGTAGTCCTGGTGTAAGTGTGTGT
5955 4798	3660 TAGCATAGTGCCTGGCACAGTGCAGGTTCTCAATGAGTTTGCAGAGTGAATGGAAATATA 3719
a a	3600 GGCTGTTATTTTTCTCTGTCCCTGCTACGTCTTAAAGGACTTGTTTGGATCTCCAGTTCC 3659
5835 4678	3540 CCGCTTCTATAGGAATGCTCTCCCTGGAGCCTGGTAGGGTGCTGTCCTTGTGTTCTGGCT 3599
577	3480 TAGAAAGTTCTCCCCAAAGATACACAGTTGTTTTAAAGCTAGGGGTGAGGGGGGAAATCTG 3539 
5715 4558	3420 GAGTAAGAACTGATTTAGAGGCTAACATTGACATTGGTGCCTGAGATGCAAGACTGAAAT 3479 
0b 5655 GCT	3360 ATCTTTCTGAGAAGAGTTCCCCAGATTTCACCAATGAGGTTCTTGGCATGCACACACA
Qy 4438 GCT	ATAATCATATTTCATTATCATTTGTTTCCTTTGTAATCTATATTTTTATATATTTTGAAAAC

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Sequence 1, Application US/08938669A
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Sequence 1, Application US/08938669A
Sequence 1, Application US/08938669A
Patent NO. 6171788
GENERAL INFORMATION: PROGNOSIS
TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND TITLE OF INVENTION: RELATED DISEASES
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
CORRESPONDENCE AND TREATMENT OF GLAUCOMA AND TREATMENT

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; TELEPAX: 202 383-6610
; TELEX;
; INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
SEQUENCE SARACTERISTICS:
LENGTH: 5300 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
; TOPOLOGY: linear
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Best Local Similarity 99.9%;
Matches 4082; Conservative
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                           ATTTCTGTGTGACTCGTTCATTCATCCAGGCATTCATTGACAATTTATTGAGTACTTATA 840
                                                             ACCTGCCAGCCCGTGCCACTGGTTGTTTTGTTATCACTCTCTAGGGACCTGTTGCTTTCT
                                                                                                AGGTTTCCTCTCCAGCTGGGGGAGCCCTGCAAGCACCCGGGGTCCTGGGTGTCCTGAGCA
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RESULT 4

US-09-306-828-1

Sequence 1, Application US/09306828

Patent No. 6475724

GENERAL INFORMATION:

APPLICANT: Nguyen, Thai D.

APPLICANT: Polansky, Jon R.

APPLICANT: Chen, Pu

APPLICANT: Chen, Hua

APPLICANT: Chen, Hua

APPLICANT: Chen, Hua

APPLICANT: Chen, Pu

APPLICANT: Chen, Pu

APPLICANT: NUMBER: US/09/306,828

CURRENT APPLICATION NUMBER: US/09/306,828

CURRENT FILING DATE: 1999-05-07

EARLIER APPLICATION NUMBER: US/09/227,881

NUMBER OF SEQ ID NOS: 38

SOFTWARE: Microsoft Word 97

SEQ ID NO 1

LENGTH: 5300

TYPE: DNA

ORGANISM: Homo sapiens

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                                AGTGTTGTTCACGGGGCTGGGAGTTTTCCGTTGCTTCCTGTGAGCCTTTTTATCTTTTCT
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S-08-938-669A-2
Sequence 2, Application US/08938669A
Sequence 2, Application US/08938669A
Patent No. 6171788
GENERAL INFORMATION:
APPLICANT: NGUYEN, Thai D.
APPLICANT: Polansky, Jon R.
APPLICANT: Polansky, Jon R.
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,
TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND
TITLE OF INVENTION: RELATED DISEASES
TITLE OF SEQUENCES: 32
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US-08-938-669A-2
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SEQUENCE CHARACTERISTICS:
LENGTH: 5304 base pairs
LENGTH: 1504 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 4077; Conserv
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CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20004-2402
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/938,669A
FILING DATE:
CITEGRATING DATE:
APPLICATION NUMBER: US/08/938,669A
                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/791,154
PILING DATE: 28-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mendelson, Elliot
REGISTRATION NUMBER: P42,878
REFERENCE/DOCKET NUMBER: 07425-0
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1000-0857
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                                           AGAGGGAAACTAGTCTAACGGAGAATCTGGAGGGGACAGTGTTTCCTCAGAGGGAAAGGG
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Sequence 2, Application US/09306828
Patent No. 6475724
GENERAL INFORMATION:
APPLICANT: Nguyen, Thai D.
APPLICANT: Chen, Pu
APPLICANT: Chen, Hua
TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prog
CURRENT FILING DATE: 1999-05-07
EARLIER APPLICATION NUMBER: US/09/306,828
CURRENT FILING DATE: 1999-01-11
NUMBER OF SEQ ID NOS: 38
SOFTWARE: Microsoft Word 97
SEQ ID NO 2
LENGTH: 5304
TYPE: DNA
ORGANISM: Homo sapiens
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RESULT 7

US-09-306-828-34

Sequence 34, Application US/09306828

Patent NO. 6475724

GENERAL INFORMATION:
APPLICANT: Neguyen, Thai D.
APPLICANT: Polansky, Jon R.
APPLICANT: Chen, Pu
APPLICANT: Chen, Hua
TITLE OF INVENTION: Nucleic Acids, Kits, And
CURRENT APPLICATION NUMBER: US/09/306,828

CURRENT FILING DATE: 1999-05-07
EARLIER FILING DATE: 1999-01-11
RAPLIER FILING DATE: 1999-01-11
NUMBER OF SEQ ID NOS: 38
SOPTWARE: Microsoft Word 97
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Best Local Similarity 99.9%;
Matches 4051; Conservative
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951 GTGCTTANAAAAAAATAAAAACCANTCTTANAAAATTTTCCCCAACAATCTCCTTANAA 1220 2116 GTGCTTANAAAAAAAATAAACCANTCTTCAAAAAATTTTCCCCAACAACCACCATCTCCTTANAA 1220 2121 GCCCACCTCCCTTCCCTCCCTCCCTCCCTCCCTCCCTCCC	
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RESULT 8
US-09-056-285A-1
; Sequence 1, Application US/09056285A
; Patent No. 6403307
; GENERAL INFORMATION:
; APPLICANT: Stone, Edwin M.
; Sheffield, Val C.
; Alward, Wallace L.M.
; Fingert, John
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Sheffield, Val C.
Alward, Wallace L.M.
Fingert, John
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Best Local Similarity 99.9%;
Matches 2797; Conservative
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INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2800 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Batentin Release #1.0, Version #1.
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/09/056,285A
FILING DATE: 07-Apr-1998
ATTORNEY/AGENT INFORMATION:
NAME: Arnold, Beth E.
REGISTRATION NUMBER: UIA-010.28
TELEPRENEY. 617-832-1000
TELEPRINE: 617-832-1000
TELEPRENE: 617-832-1000
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MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
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CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY, HOAG & ELICT LLP
STREET: One Post Office Square
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                                                                                                                         CAGATTCAAGCCTAGGTCTTGCTGACTATATGATTTGGTTTTTTGAAAAATCATTTCAGCG
                                                                                                                                                                                      GCACAAGGGCAATCCCGTTTCTTTTAACAGGAAAAAACATTCCTAAGAGTAAAGCCAAA
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Pred. No. 0;
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Oy 3776 TGTACGTGTGTGTGTGTGTGTGTGTGTAAAACCAGGTGGAGATATAGGAACTAT 3833	Db 1380 GGCTGGCTATTTTTCTCTCTGTCCCTGCTACAAAGGACTTGTTTGGATCTCCAG 1439  Qy 3656 TTCCTAGCATAGTGCCTGGCACAGTGCAGGTTCTCAATGAGTTTTGGATCTCCAA 3715	1260 AAATTAGAAAGTTCTCCCCAAAGATACACAGTTGTTTTAAAGCTAGGGGTGAGGGGGAAA 3536 TCTGCCGCTTCTATAGGAATGCTCTCCCTGGAGCCTGGTAGGGTGCTGTCTTGTGTTCT		OY 3256 AGACCTCCTGCTGGAGAAGAGTTTTTAACATATTAATAAAACATGTTTAAAATTTTGATAT 3295  Db 1020 AGACCTCCTGCTGGAGAAGAGTTTTTTAACATATTTTAAAAACATGTTTAAAAACATGTTTAAAAACATGTTTTAATTTTGATAT 3295  OY 3296 ITTGATAATCATATTTCATTATCATTTGTTTCCTTATAATAAAACATTTTAATATATTTGA 3355	840 ACCTTCTAACTAAATTTAACATTTATTCCATTGCGAATAGAGCCATAAACTCAAAGTGG 3116 TAATAACAGTACCTGTGATTTTGTCATTACCAATAGAAATCACAGACATTTATACCTATA [	720 TYGCCATTTGCTTTTTGTTTTTTCTCTTTTGGGTTTATTAATGTAAAGCAGGGATTATTAA 779  Oy 2996 CCTACAGTCCAGAAAGCCTGTGAATTGAATGAGGAAAAAATTACATTTTTGTTTTTTACC 3055	2876 CAATCATTATTTCAAGTGGCTTAAAGTTACTTCTGACAGTTTTGGTATATTTATT

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             CAAAAGGAGAAATAAAAGGACCGGGTGAGATGTGTCTGCAT 5014
                                                                CATTTAGATTAGTGGTTCAGAGTTCTTGTGCCCCTCCATGTCAGTTTTCACAGTCCATAG
                                                                                                                     ATTAAGGAAAGCACAGCGATCACCTTCAAGTATTACTAGTAATTTAGCTCCTGAGAGCTT
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                                                                                                       ATTAAGGAAAAGCACAGCGATCACCTTCAAGTATTACTAGTAATTTAGCTCCTGAGAGCTT
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Sequence 1, Application US/09952464A

Patent NO. 6956103

GENERAL INFORMATION:

APPLICANT: Schoe, Edwin M.

APPLICANT: Sheffield, Val C.

APPLICANT: Sheffield, Val C.

APPLICANT: Sheffield, Val C.

APPLICANT: Sheffield, Val C.

APPLICANT: Alward, Wallace L.M.

APPLICANT: Alward, Wallace L.M.

APPLICANT: Alward, Wallace L.M.

APPLICANT: Alward, Wallace L.M.

APPLICANT: Pingert, John

CURRENT FILING DATE: 2007-00-12

PRIOR FILING DATE: 2001-09-12

PRIOR FILING DATE: 1999-12-28

PRIOR APPLICATION NUMBER: 09/461,542

PRIOR APPLICATION NUMBER: 09/366,952

PRIOR FILING DATE: 1999-12-15

PRIOR APPLICATION NUMBER: 09/366,952

PRIOR FILING DATE: 1999-08-04

PRIOR APPLICATION NUMBER: 09/056,285

PRIOR FILING DATE: 1998-04-07

PRIOR APPLICATION NUMBER: 08/822,999

PRIOR APPLICATION NUMBER: 08/822,999

PRIOR FILING DATE: 1997-03-21

NUMBER OF SEQ ID NOS: 43

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 1

LENGTH: 2800

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER THEORMATION: Description of Artificial Sequence
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US-09-952-464A-1
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Best Local Similarity
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3656 TTCCTAGCATAGTGCCTGGCACAGTGCAGGTTCTCAATGAGTTTTGCAGAGTGAATGGAAA 3715	3536 TCTGCCGCTTCTATAGGAATGCTCTCCCTGGAGCCTGGTAGGGTGCTGTCCTTGTGTTCT 3595	1200 CACAGAGTAAGAACTGATTTAGAGGCTAACATTGACATTGGTGCCTGAGATGCAAGACTG 1259  3476 AAATTAGAAAGTTCTCCCAAAGATACACAGTTGTTTTAAAGCTAGGGGTGAGGGGGAAA 3535	3356 AAACATCTTTCTGAGAAGATTCCCCAGATTCACCAATGAGGTTCTTGGCATGCACACA 3415	<b>P</b> — <b>P</b>		32	ம ம	8 3	ω ω	7 N	CAATCATTATTCAAGTGGCTTAAAGTTACTTCTGACAGTTTTGGTATATTTATT	G 28	2756 TCTTTAGAGCAAACTGTGTTTCTCCACTCTGGAGGTGAGTCTGCCAGGGCAGTTTGGAAA 2815 
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 2166 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic
US-08-822-999-1
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US-08-822-999-1
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REGISTRATION NUMBER: 35,430
REFERENCE/DOCKET NUMBER: UIA-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-832-1000
TELEPAX: 617-832-7000
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: USA
ZIP: 02109-2170
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: LBM PC COMPACIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARR: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NUMBER: US/08/822,999
FILING DATE: 21-MAR-1997
CLASSIFICATION NUMBER: US 08/791,347
PRICATION NUMBER: US 08/791,347
PRICATION NUMBER: US 08/791,347
PRICATION NUMBER: US 08/791,347
PILING DATE: 30-ZAN-1997
PRICA APPLICATION DATA:
APPLICATION NUMBER: US 08/748,479
PILING DATE: 08-NOV-1996
PRICATION DATA:
APPLICATION DATA:
APPLICA
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Patent No. 627102
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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APPLICANT: Sheffield, Val C.
APPLICANT: Alward, Wallace L.M.
TITLE OF INVENTION: GLAUCOMA COMPOSITIONS AND THERAPEUTIC
TITLE OF INVENTION: AND DIAGNOSTIC USES THEREFOR
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSE: FOLEY, HOAG & ELICT LLP
STREET: One Post Office Square
                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Boston
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   4060 CATCCAGGCACCTCTCAGCACAGCAGCAGCTTTCCAGAGGGAAGCCTCACCAAGCCTCTGCA 4119
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RESULT 12 US-08-938 ; Sequence ; Sequence ; Patent N ; GENERRAL APPLI APPLI APPLI ITILE ITITLE ITI	B 1	ş	B 8	DЬ	8	Db	\$ {	문 &	8	Ş	<b>D</b>	Q	문 5	₹ ;	문 원	рь	Q	дb	Ą	В
Sequence 26, Application US/08938669A  APPLICANT: Nguyen, Thai D. TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND TITLE OF INVENTION: RELATED DISEASES  NUMBER OF SEQUENCES: 32 CORRESPONDENCE ADDRESS: ADDRESSEE: Howrey & Simon STREET: 1299 Pennsylvania Avenue, N.W. CITY: Washington STRIE: DC COUNTRY: Washington STATE: DC COUNTRY: USA ZIP: 20004-2402 COMPUTER READABLE FORM: MEDIUM TYPE: Diskette COMPUTER: IBM Compatible OPERATING SYSTEM: DOS SOFTWARE: FastSEQ for Windows Version 2.0 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/938,669A	 781 GAAGTT 78	4720 GAAGGT 4725	4660 AGAAGGGCAGTGTCCCCAGACCCGAGACACTGCTCGGGCTGTGCCACCAGGCTCCAGA 4/1/ 	61 CAAGAAAATGAGAATCTGGCCAGGAGGTTGGAAAGCAGCAGCAGGAGGTANCAAGGCTG 720	4600 CAAGAAAATGAGAATCTGGCCAGGAGGTTGGAAAGCAGCAGCAGCAGGAGGTAGCAAGGCTG 4659	10	40 GCCTACAGCAACCTCCTCCGAGACAAGTCAGTTCTGGAGGAAGAAGAAGAAGCGACTAAGG 4	4480 CTGGGCACCCTGAGGCGGGAGCGGCACCCACCTGGAAACCCAAACCAAAGAGTTGGAGACT 4539  4480 CTGGGCACCCTGAGGCGGGAGCGGCACCCACCTGGAAACCCACAAGCACAGAGACTTGGAGACT 600  541 CTGGGCACCCTGAGGCGGGAGCGGGACCAGCTGGAAACCCAAAACCAAAGATTGGAGACT 600	540	4420 CAATTGACCTTGGACCAGGCTGCCAGGCCCCCAGGAGACCCCAGGAGGGGCTGCAGAGGGAG 4479	N	60 CAACGCTTAGACCTGGAGGCCACCAAAGCTCGACTCAGCTCCCTGGAGAGCCTCCTCCAC 4	361 TGCCCAGAGCAGAGCCAGGCCATGTCAGTCATAACTTACAGAGAGAG	00 TGCCCAGAGCAGAGCCAGGCCATGTCAGTCATCCATAACTTACAGAGAGAG	4240 AATGACCAGAGTGGCCGATGCCAGTATACCTTCAGTGGGCCAGTGCCAATGAATCCAGC 4299    1	241 crectricrescereceres and consequences of the consequences of t	4180 CTGCTTCTGGCCTGGCTGTGTGGGGATGTGGGGGGCCAGGACAGCTCAGCTCAGGAAGGCC 4239	181 ATGAGGTTCTTCTGTGCACGTTGCAGCTTTGGGCCTGAGATGCCAGCTGTCCAGCTG 240	4120 ATGAGGTTCTTCTGTGCACGTTGCTGCAGCTTTGGGCCTGAGATGCCAGCTGTCCAGCTG 4179	121 CATTCAGGCACCTTTCAGCACAGCAGAGGCTTTCCAGAGGAAGCCTCACCAAGCCTCTGCA 180

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INFORMATION FOR SEQ ID NO: 26
SEQUENCE CHARACTERISTICS:
ELENGTH: 1548 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-938-669A-26
RESULT 13
US-09-306-828-26
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Best Local Similarity
Matches 641; Conserv
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CLASSIFICATION: 435
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/791,154
FILING DATE: 28-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mendelson, Elliot
REGISTRATION NUMBER: P-42,878
REFERENCE/DOCKET NUMBER: 07425-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 383-6857
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                                                  CAGACACTGCTCGGGCTGTGCCACCAGGCTCCAGAGAAGTT
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Pred. No. 1.6e-146;
0; Mismatches 1;
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; Sequence 26, Application US/09306828
; Patent No. 6475724
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
APPLICANT: Chen, Pu
APPLICANT: Chen, Pu
APPLICANT: Chen, Hua
TITLE OF INVENTION: NUCleic Acids, Kits, And
CURRENT APPLICATION NUMBER: US/09/306,828
; CURRENT FILING DATE: 1999-05-07
; EARLIER APPLICATION NUMBER: US 09/227,881
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Microsoft Word 97
; SEQ ID NO 26
; LENGTH: 1548
; TypE: DNA
; ORGANISM: Homo sapiens
US-09-306-828-26
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Best Local Similarity 99.8%;
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              CGAGACACTGCTCGGGCTGTGCCACCAGGCTCCAGAGAAGGT 4725
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CGAGACACTGCTCGGGCTGTGCCACCAGGCTCCAGAGAAGTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 640.4; DB 3;
Pred. No. 1.6e-146;
0; Mismatches 1;
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RESULT 14 US-08-645-900A-2 ; Sequence 2, Application US/08645900A ; Patent No. 5848879

ENERAL INFORMATION:

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APPLICANT: NGUIDAN,
APPLICANT: POLANSKY, JON R.
APPLICANT: HURNG, WEIDONG
TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS OF
TITLE OF INVENTION: GLAUCOMA
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
STREET: 1299 PENNSYLVANIA AVE., N.W.
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NAME: MARSH, DAVID
REGISTRATION NUMBER: 41,408
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEPHONE: (202) 383-6610
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1999 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches 641;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: FOR PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION WHERE: US/08/645,900A
FILING DATE: 14 MAY 1996
CLASSIFICATION: 530
CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
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                GACCAGCTGGAAACCCAAACCAGAGAGTTGGAGACTGCCTACAGCAACCTCCTCCGAGAC 4563
                                                                                                                                                                                                                                                                                                     TATACCTTCAGTGTGGCCAGTCCCAATGAATCCAGCTGCCCAGAGCAGAGCCAGGCCATG 4323
                                                                                        AGGCCCCAGGAGACCCCAGGAGGGGCTGCAGAGGGGAGCTGGGGCACCCTGAGGCGGGAGCGG 4503
                                                                                                                                    AAAGCTCGACTCAGCTCCCTGGAGAGCCTCCTCCACCAATTGACCTTGGACCAGGCTGCC
                                                                                                                                                           AAAGCTCGACTCAGCTCCCTGGAGAGCCTCCTCCACCAATTGACCTTGGACCAGGCTGCC
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Pred. No. 1.8e-146;
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                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 25 JUNE 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INPORMATION:
NAME: MARSH, DAVID
REGISTRATION UNMBER: 41,408
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 383-7451
TELEPAX: (202) 383-6610
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1999 base pairs
TYPE: mucleic acid
CTENTERVENCE: 1610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 2, Applic
Patent No. 5854415
                                                                                                                                                                                                                                                         Matches 641;
                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                           Query Match
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIA:
SOFTWARE: PATENTIA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/882,238A
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                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: lir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS TITLE OF INVENTION: GLAUCOMA NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: NGUYEN, THAI D. APPLICANT: POLANSKY, JON R. APPLICANT: HUANG, WEIDONG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWREY & SIMON
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4264 TATACCTTCAGTGTGGCCAGTCCCAATGAATCCAGCTGCCCAGAGCAGAGCCAGGCCATG 4323
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Pred. No. 1.8e-146;
0; Mismatches 1;
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600	4623 540	4563 480	4503 420	4443 360	4383 300	240

Search completed: March 24, 2006, 06:41:58 Job time: 958 secs

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Perfect score:
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                           a
      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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seq length: 2000000000
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2: /cgn2_6/ptodata/1/pubpna/Us08_PUBCOMB.seq:*

3: /cgn2_6/ptodata/1/pubpna/Us09A_PUBCOMB.seq:*

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6: /cgn2_6/ptodata/1/pubpna/Us10B_PUBCOMB.seq:*

7: /cgn2_6/ptodata/1/pubpna/Us10C_PUBCOMB.seq:*

8: /cgn2_6/ptodata/1/pubpna/Us10B_PUBCOMB.seq:*

9: /cgn2_6/ptodata/1/pubpna/Us10B_PUBCOMB.seq:*

10: /cgn2_6/ptodata/1/pubpna/Us10B_PUBCOMB.seq:*
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US-10-509-595-1
US-10-087-192-1228
US-10-244-633-3
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US-10-244-633-34
US-09-952-464A-1
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                    Sequence
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US-10-741-601-5702	115-10-674-1243-1441	US-10-719-993-6853	US-10-388-838-58	US-10-244-633-38	US-10-244-633-37	US-10-674-124A-1443	US-10-674-124A-1442	US-10-087-192-1226	US-10-956-243-9	US-09-952-464A-9	US-10-108-260A-1807	US-10-029-386-11435	US-09-925-065A-346050	US-09-925-065A-346051	US-09-925-065A-346049	US-10-029-386-25144	US-10-956-243-7	US-09-952-464A-7	US-10-956-243-4	US-09-952-464A-4	US-10-087-192-1225
Segmence	2000000	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence		Sequence	Sequence	Sequence	Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence
5702. Ar	1 4 4 1	6853, At	58, Appl	38, Appl	37, Appl	1443, Ap	1442, Ap	1226, Ap	9, Appli	9, Appli	1807, Ap	11435, A	346050,	346051,	346049,	25144, 7	7, Appli	7, Appli	4, Appli	4, Appli	1225, Ag

## ALIGNMENTS

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Sequence 1, Application US/10509595

| Sequence 1, Application No. US20050170353A1
| GENERAL INFORMATION:
| APPLICANT: Sysmax Corporation
| APPLICANT: ASANO, Kaoru
| APPLICANT: ASANO, Kaipeniro
| APPLICANT: NUMADA, Shigehiro
| APPLICANT: NUMADA, Shigehiro
| APPLICANT: NUMADA, Shigehiro
| APPLICANT: NOUCHI, Yasuhiro
| TITLE OF INVENTION: GENE EXAMINATION METHOD FOR JUDGING THE ONSET RISK OF GLAUCOMA
| FILE REFERENCE: 0819447
| CURRENT APPLICATION NUMBER: US/10/509,595
| CURRENT APPLICATION NUMBER: JP 2002-093443
| PRIOR APPLICATION NUMBER: PCT/JP03/03307
| PRIOR APPLICATION NUMBER: PCT/JP03/03307
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; ORGANISM: Homo sapiens
US-10-509-595-1
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Best Local Similarity 99.9
Conservative
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SOFTWARE: PatentIn version 3.3
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ACAGGCGCACGCCCGGCTAATTTTTGTATTGTTAGTAGAGATTGGGGGTTTCACCATATTAG
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	etches	CURRENT APPLICATION NUMBER: US/10/087 CURRENT FILING DATE: 2002-03-01 PRIOR APPLICATION NUMBER: US 09/747,37 PRIOR FILING DATE: 2000-12-22 PRIOR APPLICATION NUMBER: US 09/798,51 PRIOR FILING DATE: 2001-03-02 PRIOR FILING DATE: 2001-03-02 PRIOR FILING DATE: 2005-03-02 PRIOR FASTSEQ FOR WINDOWS Version SEQ ID NO 1228 LENGTH: 37252 TYPE: DNA PRIOR SAPIENS US-10-087-192-1228 US-10-087-192-1228 Dest Local Similarity 99.6%; Score 1 Dest Local Similarity 99.9%; Pred. 1	SULT 2 10-087-192-1228 Sequence 1228, Application US/1008719 Publication No. US20020182586A1 GENERAL INFORMATION: APPLICANT: MORTIS, David W. APPLICANT: Engelhard, Eric K. TITLE OF INVENTION: NOVEL COMPOSITIO TITLE OF INVENTION: CANCER FILE REFERENCE: 529452000122	<b>ഗഗ</b>	on Un U	лыл	vi vi	u u
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Sequence 3, Application US/10244633

Publication No. US20030068640A1

GENERAL INFORMATION:
APPLICANT: Nguyen, Thai D.
APPLICANT: Chen, Pu
APPLICANT: Chen, Pu
APPLICANT: Chen, Hua
TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diag
TITLE OF INVENTION: Prognosis And Treatment Of Glaucoma And Rela
TITLE OF INVENTION: Disporters
FILE REFERENCE: 07425.0057.US01
CURRENT APPLICATION NUMBER: US/10/244,633
CURRENT APPLICATION NUMBER: US/09/306,828
PRIOR FILING DATE: 1999-01-11
NUMBER: US/09/227,881
PRIOR APPLICATION NUMBER: US/09/227,881
PRIOR APPLICATION NUMBER: US/09/227,881
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PRIOR APPLICATION NUMBER: US/09/227,881
PRIOR FILING DATE: 1999-01-11
NUMBER: US/09/227,881
PRIOR FILING DATE: 1999-01-11
ONGANISM: Homo sapiens
US-10-244-633-3
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US-10-244-633-3
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Best Local Similarity 99.8%;
Matches 4949; Conservative
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TTGAATGGTTTACTAAACCAACAGGGAAACAGACAAAAGCTGTGATAATTTCAGGGATTC
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Oy  2341 GCTANATTGTGGGGGAAAAATCAGTTCAAGGAAGTCGGAGACCTGATTCTAATAC 2400 Db 3556 GCTANATTGTGGGGGAAAAATCAGTTCAAGGAAGTCGGAGACCTGATTTCTAATAC 2400 Db 3556 GCTANATTTTTCCTTTACAAGCTGAGTAATTCTGAGGAAGTCACAAGGTAGTAACTGAGGCT 2460 Qy 2401 TATATTTTTCCTTTACAAGCTGAGTAATTCTGAGCAAGTCACAAGGTAGTAACTGAGGCT 2460	3376 TĠAĊĊAĠĊAĊCĊCACGCAĠCTCAĞCAĞTĞACTĞCTĞACAĞCAĞCĞAĞTĞACCTĞCAĞCAĞCĞAĞCTĞCCĞCAĞCĞAĞCTĞCCĞCAĞCĞAĞTĞACCTĞCAĞCĞĞĞC 2221 AĞĞĞĞAĞĞAĞAAĞAAAAĞAĞAĞĞĞĞATAĞTĞATTĞAĞÇAAĞĞAAĞAÇAĞATTÇATTÇ	Db 3256 AATGCATTTGCCAATAACCAATAACAATTGCAGAGAATTGTTAAACTTTTCACCC 3315  Oy 2101 GCATTCAAAAACTGGGCCAGAGCAAGTGGAAAATGCCAGAGAATTGTTAAACTTTTCCACCC 2160  Oy 3316 GCATTCAAAAACTGGGCCAGAGCAAGTGGAAAATGCCCAGAGATTGTTAAACTTTTCACCC 3375  Oy 2101 TGACCAGCACCCCCAGGAGCAAGTTGGAAAATGCCAGAGAATTGTTAAACTTTTCACCC 3375  Oy 2161 TGACCAGCACCCCCAGGAGCAAGTGGAAAATGCCAGGAGATTGTTAAACTTTTCACCC 3375	3076 AÁGÁÁGCAGAGCTGAGCAGCTGAGCCACAGGGAGGTGAGGGGACAGGAAGGCAGG  1921 CAGAAGCTGGGTGCTCCATCAGTCCTCACTGATCAGGTCAGACTCCAGGACCGAGAGCCA  1921 CAGAAGCTGGGTGCTCCATCAGTCCTCACTGATCAGGTCAGACTCCAGGACCGAGAGCCA  3136 CAGAAGCTGGGTGCTCCATCAGTCCTCACTGATCAAGTCCAAGACTCCAGGACCGAGAGCCA  1981 CAGAAGCTGAGAAGCTCAATGAACCCCAACAGCCTCCTCAGCATAGAC  1981 CAATGCTTCAGGAAAGCTCAATGAACCCAACAGCCACATTTTCCTTTCCTTAGCATAGAC  [	Qy 1741 CGTGGGCAACTGTCTCTCCTTGCCATAGTCTTCTCTGTATAAAGACCCTTGCA 1800  Db 2956 CGTGGGCAACTGTCTCTCCTTCCCTGGGCCATAGTCTTCTCTGTATAAAGACCCTTGCA 1800  Db 2956 CGTGGGCAACTGTCTCTTCCCTGGGCCATAGTCTTCTCTGTGATAAAGACCCTTGCA 3015  Qy 1801 GCTCTCGTGTTCTGTGAACACTTCCCTGTGATTCTCTGTGAGGGGGAATGTTGAGAGGGG 1860  Db 3016 GCTCTCGTGTAACACTTCCCTGTGATTCTCTGTGAGGGGGAATGTTGAGAGGGG 3075  Qy 1861 AAGGAGGCAGAGGCTGGAGCAGCTGAGCCACAGGAGGGGAACGGGAACGGAAGGCAGG 1920	1621 CATGTCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTATGCAAGACGGTCGAA 1	Oy 1501 AAAATTCCAGGGTGTGCATGGGTTTTCCTTCACGAAGGCCTTTATTTA

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4678 CAGACCCGAGACACTGCTCGGGCTGTGCCACCAGGCTCCAGAGAAGGTAAGAATGCAGAG	B &	600 GGCTGTTATTTTTCTCTGTCCCTGCTACGTCTTAAAGGACTTGTTTGGATCTCCAGTTCC	§ 8
4618 GCCAGGAGGTTGGAAAGCAGCCAGGAGGTAGCAAGGCTGAGAAGGGCCAGTGTCCC	Qγ	3540 CCGCTTCTATAGGAATGCTCTCCCTGGAGCCTGGTAGGGTGCTGTCCTTGTGTTCTGGCT 3599	문 <i>성</i>
558 775	Db QY	3480 TAGAAAGTTCTCCCAAAGATACACAGTTGTTTTAAAGCTAGGGGTGAGGGGGGAAATCTG 3539 	B 8
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4378 GCCACCAAAGCTCGACTCAGCTCCCTCGAGGAGCCTCCTCCACCAATTGACCTTGGACCAG 4437	D Qy	3300 ATAATCATATTTCATTATCATTTGTTTCCTTTGTAATCTATATTTTATATATTTGAAAAC 3359	B 8
4318 GCCATGTCAGTCATCCATAACTTACAGAGAGACAGCAGCACCCAACGCTTAGACCTGGAG 4377	ρb	3240 CTCCTGCTGGATCTTGTTTTTAACATATTAAAAACATGTTTAAAAATTTTGATATTTTG 3299	B 8
4258 TGCCAGTATACCTTCAGTGTGGCCAGTCCCAATGAATCCAGCTGCCCAGAGCAGAGCCAG	D Q	3180 AGTTGTTGCAGATACGTTGTAAGTGAAATATTTATACTCAAAACTACTTTGAAATTAGAC 3239 	B 8
415	Qy db	3120 AACAGTACCTGTGATTTTGTCATTACCAATAGAAATCACAGACATTTTATACTATATTAC 3179	B 8
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4018 ATAAACCTCTCTGGAGCTCAGGCATGAGCCAGCCAGCCACCCATCCAGGCACCTCTCAG 4077	, B &	2940 CATTTGCTTTTTGTTTTTTCTCTTTTGGGTTTATTAAAGGAGGGATTATTAACCTA 2999	B 8
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3898 GAAGGTTATTTCTAAGAATCTTGCTGGCAGCGTGAAGGCAACCCCCCTGTGCACAGCCC	D QQ	2820 TACTTCACAAGTATTGACACTGTTGTTGGTATTAACAACATAAAGTTGCTCAAAGGCAAT 2879	B 8
3838 GGGGTATGGGTGCATAAATTGGGATGTTCTTTTTAAAAAGAAACTCCAAACAGACTTCTG	D QQ	2761 AGAGCAAACTGTGTTTCTCCAC-TCTGGAGGTGAGTCTGCCAGGGCAGTTTGGAAATATT 2819	음 성
3780 CGTGTGTGTGTGTGTGTGTGTGTAAACCAGGTGGAGATATAGGAACTATTATT	D	2701 TIGTAAATGTCTCAAGTTCAGGCTTAACTGCAGAACCAATCAAATAAGAATAGAATCTTT 2760 	B 8
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Qy 481 CTTTCTTCCCTCATCCTCATTTTCAGGCTAAGTTACCATTTTATTCACCATGCTTTTGTG	OY 421 TTGGGATGGGGAATGGTGCCATGAGCTGCCTGCCTAGTCCAGACCACTGGTCCTCATCA	Oy 361 TIGAAIGGTTTACTAAACCAACAGGGAAAACGAAAAGCIGTGATAATTTCAGGGATTC	QY 301 TGGGATTACAGGCATGAGTCACCGCGCCCAGGGTCAGTGTTTAATAAGGAATAAC	Qy 241 CCCGGCTGGTCTTGAACTCCTGACCTCAGGTGATCCACCCAC	OY 181 ACAGGCGCACGCCCGGCTAATTTTTGTATTGTTAGTAGAGATGGGGTTTCACCATATTAG	OY 121 AACCTCTGCCTCCCAGGTTCAAGCAATTCTCCTGTCTCAGCCTCCGGGTAGCTGGGACT	OY 61 CGTGAGGGTGAGGGTCTGTGTCTTACACCTGACCTGTATGCTCTACACCTGAGCTCACTGC	Oy 1 GCTCCACAGGAAGTCTCCCCACTCTAGACTTCTGCATCACGATGTTACAGCCAGAAGCTC	Query Match 67.8%; Score 4069.4; DB 3; Length 5300; Best Local Similarity 99.9%; Pred. No. 0; Matches 4082; Conservative 0; Mismatches 1; Indels 2; Gaps	; LENGTH: 5300 ; TYPB: DNA ; ORGANISM: Homo sapiens US-09-985-637A-1	CURRENT FILING DATE: 2001- UNMEER OF SEQ ID NOS: 21 SOFTWARE: Patentin version SEO ID NO 1	TITLE OF INVENTION: METHODS TO SCREEN AND TREAT INDIVIDUALS WITH GLAUCOMA OR TITLE OF INVENTION: TO DEVELOP GLAUCOMA FILE REFERENCE: 13587.296 FILE REFERENCE: 13587.296 FILE REFERENCE: 13587.296 FILE REFERENCE: 13587.296	1, Application No. US200:	SULT 4	Qy 4918 TAGATTAGTGGTTCAGAGTTCTTGTGCCCCTCCATGTCAG 4957	Qy 4858 AGGAAAGCACAGCGATCACCTTCAAGTATTACTAGTAATTTAGCTCCTGAGAGCTTCATT	QY 4798 GSCCTCCCTGCCTGCCCTTTCTCCTAGAGCTGCACAGCTAGCACAGACAG	5955
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3781GTGTGTGTGTGTGTGTGTGTGTGTAAAACCAGGTGGAGATATAGGAACTATTATTG 3838	·	701 TTGTAAATGTCTCAAGTTCAGGCTTAACTGCAGAACCAATCAAATAAGAATAGAATCTTT 276	Ş
3721 ACTAGAAATATATCCTTGTTGAAATCAGCACACCAGTAGTCCTGGTGTAAGTGTGTGT	g Qy	2641 TACTATCTGATTCAGAAAATGAGACTAGTACCCTTTGGTCAGCTGTAAACAACAACACCCAT 2700 	유 성
361 AGCATAGTGCCTGGCACAGTGCAGGTTCTCAATGAGTTTCCAGAGTGAATGAA	B 25	2581 TCAAGCCTAGGTCTTGCTGACTATATGATTGGTTTTTTGAAAAATCATTTCAGCGATGTT 2640 	B 8
3601 GCIGITAITTITCTCTGTCCCTGCTACGTCTTTTTGGATCTCCAGTTCCT 3660	p 5	2521 AGGGCAATCCCCGTTTCTTTTAACAGGAAAGAAACATTCCTAAGAGTAAAGCCAAACAGAT 2580 	B 8
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3481 AGAAAGTTCTCCCAAAGATACACACTTGTTTTAAAGCTAGGGGTGAGGGGGAAATCTGC 3540	Qу	2401 TATATTTTTCCTTTACAAGCTGAGGTAATTCTGAGCCAGGCTAGGTAGG	B 8
3421 AGTAAGAACTGATTTAGAGGCTAACATTGACATTGGTGCCTGAGATGCAAGACTGAAATT 3480 	P	2341 GCTATATTGTGGGGGGAAAAAATCAGTTCAAGGGAAGTCGGGAGACCTGATTTCTAATAC 2400 	B &
3361 TCTTTCTGAGAGAGTTCCCCAGATTCACCAATGAGTTCTTGGCATGCACACACA	₽ <b>2</b>	2281 GGCAGTGGGAATTGACCACAGGGATTATAGTCCACGTGATCCTGGGTTCTAGGAGGCAGG 2340 	B 8
301 TAAICATATTTCATTATTTGTTTCCTTTGTAATCTATATTTTATATATTTGAAAACA 3360	p 29	2221 AGGGGAGAAAAAAAAAAGAGAGATAGTGTATGAGCAAGAAAGA	B 8
3241 TCCTGCTGGATCTTGTTTTAACATATTAATAAAAATTTGTAAATTTTGATATTTTGA 3300	B &	2161 TGACCAGCACCCCAGCTCAGCAGTGACTGCTGACAGCACGGACTGACCTGCAGCGC 2220	B 8
3181 GTTGTTGCAGATACGTTGTAAGTGAAATATTTATACTCAAAACTACTTTGAAATTAGACC 3240 [	, p 64	2101 GCATTCAAAAACTGGGCCAGAGCAAGTGGGAAAATGCCAGAGATTGTTAAACTTTTCACCC 2160 	용 성
3121 ACAGTACCTGTGATTTTGTCATTACCAATAGAATCACAGACATTTTATACTATATTACA 3180	B 8	2041 AATGGCATTTGCCAATAACCAAAAAGAATGCAGAGACTAACTGGTGGTAGCTTTTGCCTG 2100 	g &
3061 CTAACTRAARTTTAACATTTTATTCCATTGCGAATAGAGCCATAAACTCAAAGTGGTAATA 3120 	Db dd	1981 CAATGCTTCAGGAAAGCTCAATGAACCCAACAGCCACATTTTCCTTCC	용 성
3001 AGTCCAGAAAGCCTGTGAATTTGAATGAGGAAAAAATTACATTTTTGTTTTTACCACCTT 3060 	g dy	1921 CAGAAGCTGGGTGCTCCATCAGTCCTCACTGATCACGTCAGACTCCAGGACCGAGAGCCA 1980	B 8
2941 ATTTGCTTTTTGTTTTTCTCTTTGGGTTTAATGTAAAGCAGGGATTATTAACCTAC 3000	o do do	1861 AAGGAGGCAGAGCTGGAGCCAGCTGAGCCACAGGGGAGGTGGAGGGGACAGGAAGGCAGG 1920	B 8
281 ATTATTCAAGTGGCTTAAAGTTACTTCTGACAGTTTTGGTATATTTATT	p &	1801 GCTCTCGTGTTCTGTGAACACTTCCCTGTGATTCTCTGTGAGGGGGGATGTTGAGAGGGG 1860	B 8
2821 ACTTCACAAGTATTGACACTCTTGTTGGTATTAACAACATAAAGTTGCTCAAAGGCAATC 2880	ρ <b>δ</b>	1741 CGTGGGCAAGTGTCTCTCCTTCCCTGGGCCATAGTCTTCTCTGCTATAAAGACCCTTGCA 1800	B 8
2761 AGAGCAPACTGTTTCTCCACTCTGGAGGTGAGTTGCCAGGGCAGTTTGGAPATATTT 2820	p &	1681 AACCTTGGAATCAGGAGACTCGGTTTTCTTGTTGTTCTGCCATTGGCTGTGCGAC 1740	B 8
3916 TTGTAAATGTCTCAAGTTCAGGCTTAACTGCAGAACCAATCAAATAAGAATAGAATCTTT 3975	da	1621 CATGTCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTATGCAAGACGGTCGAA 1680	B 8

241 CCCGGCTGGTCTTGAACTCCTGACCTCAGGTGATCCACCCAC	QY 181 ACAGGCGCACGCCCGGCTAATTTTTGTATTGTTAGTAGAGATGGGGTTTCACCATATTAG 240	Qy 121 AACCTCTGCCTCCCAGGTTCAAGCAATTCTCCTGTCTCAGCCTCCCGCGTAGCTGGAACT 180	Qy 61 CGTGAGGGTGAGGGTCTTGTGTCTTACACCTGTATGCTCTACACCTGAGCTCACTGC 120	Qy 1 GCTCCACAGGAAGTCTCCCCACTCTAGACTTCTGCATCACGATGTTACAGCCAGAAGCTC 60	வரை⊏	; LENGTH: 5300 ; TYPE: DNA ; ORGANISM: Homo sapiens US-10-244-633-1	PRIOR FILING DATE: 1999-01-11  PRIOR FILING DATE: 1999-01-11  NUMBER OF SEQ ID NOS: 38  SOFTWARE: Microsoft Word 97  SEQ ID NO	CURRENT FILING DATE: 2002-09-17 ; CURRENT FILING DATE: 2002-09-17 ; PRIOR APPLICATION NUMBER: US/09/306,828 ; PRIOR FILING DATE: 1999-05-07 . PRIOR PILING DATE: 1999-05-07 . PRIOR APPLICATION NUMBER: US/09/27 881	TITLE OF INVENTION: NUCLEIC ACIDS, AIL RECLINOS FOR THE PRESENTS.  TITLE OF INVENTION: Disorders TITLE OF INVENTION: Disorders FILE REFERENCE: 07425.0057.US01 GIBBRUT ADDITION NUMBER US/10/244 633	APPLICANT: Chen, Pu APPLICANT: Chen, Pu APPLICANT: Chen, Hua	Sequence 1, Application US/10244633 ; Sequence 1, Application US/20030068640A1 ; Publication No. US20030068640A1 ; GENERAL INFORMATION: ; GENERAL INFORMATION: ; APPLICANT. NEWSON That D	RESULT 5	4079 ACAGC	QY 4019 TABACCTCTCTGGAGCTCAGGCATGAGCCAGCCACCCATCCAGGCACCTCTCAGC 4078	QY 3959 ACCCAGCCTCACGTGGCCACCTCTGTCTTCCCCCATGAAGGGCTGGCT	QY 3899 AAGGTTATTTTCTAAGAATCTTGCTGGCAGCGTGAAGGCAACCCCCCTGTGCACAGCCCC 3958	Db 5056 GGGTATGGGTGCATAAATTGGGATGTTCTTTTTAAAAAGAAACTCCAAACAGACTTCTGG 5115	Db 4996 GTGTGTGTGTGTGTGTGTGTGTGTGTATAAACCAGGTGGAGATATAGGAACTATTATTG 5055  OY 3839 GGGTATGGGTGATAAATTGGGATGTTCTTTTTAAAAAGAAACTTCCAAACAGACTTCTGG 3898
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3541 CGCTTCTATAGGAATGCTCTCCCTGGAGCCTGGTAGGGTGCTGTCCTTGTGTTCTGGCTG 3600	Q	461 GTAAGATTACTTAGTTTCTCCTTATTAGGAACTCTTTTTCTCTGTGGAGTTAGCAGCACA 2	ફ
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RESULT 6 US-10-741-339-1 US-10-741-339-1 Sequence 1, Application US/10741339 Publication No. US20040132795A1 SEQUENCE 1, APPLICANTION: METHODS TO SCREEN AND TREAT INDIVIDUALS WITH GLAUCOMA OR THE PROFITILE OF INVENTION: TO EXCELDE GLAUCOMA FILE REFERENCE: 13597.375 CURRENT APPLICATION NUMBER: US/10/741,339 CURRENT APPLICATION NUMBER: US/9/985,637 PRIOR PRILLING DATE: 2001-11-05 LENGTH: 5300 TYPE: DNA CONGANISM: Homo sapiens US-10-741-339-1 ORGANISM: Homo sapiens US-10-741-339-1 ORG	Db 4756 CGCTTCTATAGGAATGCTCCCTGGAGGCTGGTAGGTGTTCTGTGTTCTGGCTG 4815  Qy 3601 GCTGTTATTTTCCTCTGTCCCTGCTACGTCTTAAAGGACTTGTTTGGATCTCCAGTTCCT 3660  Db 4816 GCTGTTATTTTCTCTGTCCCTGCTACGTCTTAAAGGACTTGTTTGGATCTCCAGTTCCT 4875  Qy 3611 AGCATAGTGCCTGGCACAGTGCAGGTTCTCAATGAGTTTGCAGAGTGAATGAA
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US-10-244-633-2
US-10-244-633-2
Sequence 2, Application US/10244633
Publication No. US20030068640A1
Publication No. US20030068640A1
GENERAL INFORMATION:
APPLICANT: Nguyen, Thai D.
APPLICANT: Polansky, Jon R.
APPLICANT: Chen, Pu
APPLICANT: Chen, Pu
APPLICANT: Chen, Nucleic Acids, Kits, And Methods For The Diagnosis,
TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis,
TITLE OF INVENTION: Prognosis And Treatment Of Glaucoma And Related
FILLE REFERENCE: 07425.0057.US01
CURRENT FILING DATE: 1080-01-17
PRIOR APPLICATION NUMBER: US/10/244,633
CURRENT FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: US/09/306,828
PRIOR FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: US/09/306,828
PRIOR FILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: US/09/227,881
PRIOR FILING DATE: 1999-01-11
NUMBER OF SEQ ID NOS: 38
SOFTWARE: Microsoft Word 97
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2461 GTAAGATTACTTAGTTTCTCCTTATTAGGAACTCTTTTTCTCTGTGGAGTTAGCAGCACA	ъ <i>Q</i>	1381 AGTGTTGTTCACGGGGCTGGGAGTTTTCCGTTGCTTCCTGTGAGCCTTTTTATCTTTTCT 1440	B 8
2401 TATATTTTTCCTTTACAAGCTGAGTAATTCTGAGCAAGTCACAAGGTAGTAACTGAGGCT	Db Oy	1321 TGAGCGGGTGCTGAAAGGCAGGAAGGTGAAAAGGGCAAGGCTGAAGCTGCCCAGATGTTC 1380 	음 성
2341 GCTATATTGTGGGGGGAAAAATCAGTTCAAGGGAAGTCGGGAGACCTGATTTCTAATAC	Db Qy	1261 GCCTCCACGTCCAGGAGAATTCCAGGAGGTGGGGACTGCAGGAGTGGGGACTGGGGC 1320	B 8
2281 GGCAGTGGGAATTGACCACAGGGATTAFAGTCCACGTGATCCTGGGTTCTAGGAGGCAGG	B &	1201 AGAGGGAAACTAGTCTAACGGAGAATCTGGAGGGGACAGTGTTTCCTCAGAGGGAAAAGGG 1260 	음 성
2221 AGGGARGAAGAAAAAAGAGAGGATTAGTGTATGAGCAAGAAAAGACAGATTCATTC	) B &	1141 AATCGTCCTGGTGCATCTGAGCTGGAGACTCCTTGGCTCCAGGCTCCAGAAAGGAAATGG 1200 	유 왕 왕
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	р. Q	1021 GGCCACCTCCCTAGCGCCCCCTGCTGCCTCCATCGTGCCCGGAGGCCCCCAAGCCCGAGT 1080	문 성
		2176 GTGCTGAAAGAAAGGAAATAAACACCATCTTGAAGAATTGTGCGCAGCATCCCTTAACAA 2235	타

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RESULT 8
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; Sequence 34, Application US/10244633
; Publication No. US20030068640A1
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Pu
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ACCTGCCAGCCCGTGCCACTGGTTGTTTTGTTATCACTCTCTAGGGACCTGTTGCTTTCT
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APPLICANT: Chen, Hua
TITLE OF INVENTION: Nucleic Acids, Kits, And Met
TITLE OF INVENTION: Prognosis And Treatment Of
TITLE OF INVENTION: Disorders
FILE REFERENCE: 07425.0057.US01
CURRENT APPLICATION NUMBER: US/10/244,633
CURRENT FILING DATE: 2002-09-17
PRIOR APPLICATION NUMBER: US/09/306,828
PRIOR APPLICATION NUMBER: US/09/227,881
PRIOR APPLICATION NUMBER: US/09/227,881
PRIOR FILING DATE: 1999-01-11
NUMBER OF SEQ ID NOS: 38
SOFTMARE: Microsoft Word 97
SEQ ID NO 34
LENGTH: 5271
TYPE: DNA
ORGANISM: Homo sapiens
US-10-244-633-34
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Best Local Similarity 99.9%;
Matches 4051; Conservative
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AGGTTTCCTCTCCAGCTGGGGAGCCCTGCAAGCACCCGGGGTCCTGGGTGTCCTGAGCA 720
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AACCTTGGAATCAGGAGACTCGGTTTTCTTTCTGGTTCTGCCATTGGTTTGGCTGTGCGAC
CATGTCTTCTGGGCAACTACTCAGCCCTGTGGTGGACTTGGCTTATGCAAGACGGTCGAA
GAAGCGAGCTCATTTCCTAGGCCGTTAATTCACGGAAGAAGTGACTGGAGTCTTTTCTT
AAAATTCCAGGGTGTGCATGGGTTTTCCTTCACGAAGGCCTTTATTTA
CTGCTTGGAGGAGAAGAAGTCTATTTCATGAAGGGATGCAGTTTCATAAAGTCAGCTGTT
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TGAGCGGGTGCTGAAAGGCAGGAAGGTGAAAAGGGCAAGGCTGAAGCTGCCCAGATGTTC 
GCCTCCACGTCCAGGAGAATTCCAGGAGGTGGGGACTGCAGGAGTGGGGACGCTGGGG 
AGAGGGAAACTAGTCTAACGGAGAATCTGGAGGGACAGTGTTTCCTCAGAGGGAAAGGG 
AATCGTCCTGGTGCATCTGAGCTGGAGACTCCTTGGCTCCAGGCTCCAGAAAAGGAAATG
CTTCCAAGCCTCCTCCATCAGTCACAGCGCTGCAGCTGGCCTGCCT
GGCCACCTCCCTAGCGCCCCTGCTGCCTCCATCGTGCCCGAAGGCCCCCAAGCCCGAGGCCCCAAGCCCCACGCGACCTCCCTAGCGCCCCAAGCCCCCAAGCCCCCC
TGCTGAAGAAGGAAAGGAAATAAACACCATCTTGAAGAATTGTGGGCAGCATCCCTTAACAA 
AGCAGTCACTGCCCTACCTTCGTGGAG
CTGCCAGACACCAGAGACAAAATGGTGAGCAAAGCAGTCACTGCCCTACCTTCGTGGAG
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APPLICANT: Fingert, John
TITLE OF INVENTION: GLAUCOMA THERAPEUTICS AND DIA
FILE REFERENCE: 21087.0017U11
CURRENT FILING DATE: 2001-09-12
PRIOR APPLICATION NUMBER: 09/473,273
PRIOR APPLICATION NUMBER: 09/473,273
PRIOR FILING DATE: 1999-12-15
PRIOR PILING DATE: 1999-12-15
PRIOR PILING DATE: 1999-12-15
PRIOR APPLICATION NUMBER: 09/366,952
PRIOR FILING DATE: 1999-08-04
PRIOR FILING DATE: 1999-08-04
PRIOR APPLICATION NUMBER: 09/056,285
PRIOR APPLICATION NUMBER: 09/056,285
PRIOR APPLICATION NUMBER: 08/822,999
PRIOR TILING DATE: 1998-04-07
PRIOR APPLICATION NUMBER: 08/822,999
PRIOR TILING DATE: 1997-03-21
NUMBER OF SEQ ID NOS: 43
SOFTWARE: FASESEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH- 2800
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Best Local Similarity 99.9%;
Matches 2797; Conservative
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TYPE: DNA
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Publication No. US20050037344A1

GENERAL INFORMATION:

APPLICANT: PathoArray GmbH

APPLICANT: Stuhlmuller, Bruno

APPLICANT: Haupl, Thomas

TITLE OF INVENTION: Nucleic Acid Array

FILE REFERENCE: 030027US

CURRENT APPLICATION NUMBER: US/10/278,698

CURRENT APPLICATION NUMBER: US/10/278,698

CURRENT FILING DATE: 2002-10-23

NUMBER OF SEQ ID NOS: 1050

SOFTWARE: Patentin version 3.2

SEQ ID NO 294

LENGTH: 2800

TYPE: DNA

ORGANISM: Homo sapiens

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RESULT 12 US-10-278-698-808

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Sequence 808, Application US/10278698
Publication No. US20050037344A1
GENERAL INFORMATION:
APPLICANT: PathoArray GmbH
APPLICANT: Stuhlmuller, Bruno
APPLICANT: Haupl, Thomas
ITILE OF INVENTION: Nucleic Acid Array
FILE REPERENCE: 030027US
CURRENT APPLICATION NUMBER: US/10/278,698
CURRENT FILING DATE: 2002-10-23
NUMBER OF SEQ ID NOS: 1050
SOFTWARE: PatentIn version 3.2
SEQ ID NO 808
LENGTH: 2800
TYPE: DNA
ORGANISM: Homo sapiens
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RESULT 13
US-10-803-557-10
US-10-803-557-10
; Sequence 10, Application US/10803557
; Publication No. US20050095609A1
; GENERAL INFORMATION:
; APPLICANT: HUANG, DOUG HUI
; TITLE OF INVENTION: COMPOSITIONS AND I
; FILE REFERENCE: 034827-1401
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CCURRENT FILING DATE: 2004-03-17
PRIOR APPLICATION NUMBER: US/10/017,870
PRIOR FILING DATE: 2001-12-12
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 10
LENGTH: 2800
TYPE: DNA
CRANISM: Homo sapiens
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RESULT 14  US-10-956-243-1  (US-10-956-243-1)  Sequence I, Application US/10956243  Publication No. US20050123960A1  GENERAL INFORMATION:  APPLICANT: Stone, Edwin M.  APPLICANT: Sheffield, Val C.  APPLICANT: Alward, Wallace L.M.  APPLICANT: Fingert, John  TITLE OF INVENTION: GLAUCOMA THERAPEUTICS AND DIAGNOSTICS  FILE REFERENCE: 21087.0017U11  CURRENT APPLICATION NUMBER: US/10/956,243  CURRENT FILING DATE: 2004-10-01  PRIOR APPLICATION NUMBER: US/09/952,464	2640 4914 2700 4974 2760		4614 TCTGG 2400 TCTGG 4674 TCCCC	Db 2220 CCAGGCTGCCAGGCCCCAGGAGGGCTGCAGAGGAGCTGGCCACCTGAG 4493  2220 CCAGGCTGCCAGGCCCCAGGAGGACCCAGGAGGAGCTGGCCACCCTGAG 2279  Db 2220 CCAGGCTGCCAGGCCCCAGGAGCCCAGGAGGGAGCTGCGAAAGGGAACTGGCTAGAGCAACCTTGAG 2279  Qy 4494 GCGGGAGCGGGACCAGCTGGAAACCCAAACCAGAGAGGTTGGAGAACTGCTACAGCAACCT 4553	2040 CCGATGCCAGTATACCTTCAGTGCCAGTGCCAGTGCAGCCAGACCAGCCAG	

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PRIOR APPLICATION NUMBER: 09/473,273
PRIOR FILING DATE: 1999-12-28
PRIOR APPLICATION NUMBER: 09/461,542
PRIOR APPLICATION NUMBER: 09/366,952
PRIOR APPLICATION NUMBER: 09/056,285
PRIOR PILING DATE: 1999-08-04
PRIOR PILING DATE: 1999-08-04
PRIOR PILING DATE: 1997-03-21
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GCCAGTATACCTTCAGTGTGGCCAGTCCCAATGAATCCAGCTGCCCAGAGCAGAGCCAGG
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GENERAL INFORMATION:
APPLICANT: Williams, Amanda
APPLICANT: Boland, Joseph F.
APPLICANT: Boland, Joseph G.
APPLICANT: Lord, Reginald V.
APPLICANT: Alvarez, Chris
APPLICANT: Wetzel, Jon C.
APPLICANT: Wetzel, Jon C.
APPLICANT: Vockley, Joseph G.
TITLE OF INVENTION: Gene Expression Profiles in FILE REFERENCE: 44921-5026
CURRENT APPLICATION NUMBER: US/10/240,425
CURRENT APPLICATION NUMBER: PCT/US01/09847
PRIOR APPLICATION NUMBER: PCT/US01/09847
PRIOR FILING DATE: 2001-03-28
PRIOR APPLICATION NUMBER: US 60/193,446
PRIOR FILING DATE: 2000-03-31
NUMBER OF SEQ ID NOS: 1588
SOFTMARE: PATENTIN Ver. 2.1
SEQ ID NO 1586
LENGTH: 1086
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER IMPORMATION: Genbank Accession
US-10-240-425-1586
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Best Local Similarity 99.6%;
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                                           TGTGGGATGTGGGGGCCAGGACAGCTCAGCTCAGGAAGGCCAATGACCAGAGTGGCCGAT
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4739	4679	4619	4559	4499	4439	4379	4319
1081	1021	961	901	841	781	721	661
GGGGG 4744        GGGGG 1086	AGACCCGAGACACTGCTCGGGCTGTGCCACCAGGCTCCAGAGAAGGTAAGAATGCAGAGT 4	CCAGGAGGTTGGAAAGCAGCAGCCAGGAGGTAGCAAGGCTGAGAAGGGGCCCAGTGTCCCC 4	GAGACAAGTCAGTTCTGGAGGAAGAGAAGAAGCGACTAAGGCAAGAAAATGAGAATCTGG 4 	AGCGGGACCAGCTGGAAACCCAAACCAGAGAGTTGGAGACTGCCTACAGCAACCTCCTCC 455	CTGCCAGGCCCCAGGAGACCCAGGAGGGGGCTGCAGAGGGAGCTGGGCACCCTGAGGCGGG 4-	CCACCAAAGCTCGACTCAGCTCCCTGGAGAGCCTCCTCCACCAATTGACCTTGGACCAGG 443	CCATGTCAGTCATAACTTACAGAGAGACAGCAGCACCCAACGCTTAGACCTGGAGG 437
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Search completed: March 24, 2006, 07:53:22 Job time: 4280 secs

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Database
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 200000000
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Perfect score:
Published Applications NA New:*

1: /cgn2_6/ptodata/1/pubpna/USO8 NEW_PUB.seq:*

2: /cgn2_6/ptodata/1/pubpna/USO8 NEW_PUB.seq:*

3: /cgn2_6/ptodata/1/pubpna/USO7 NEW_PUB.seq:*

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5: /cgn2_6/ptodata/1/pubpna/USO9 NEW_PUB.seq:*

6: /cgn2_6/ptodata/1/pubpna/USO9 NEW_PUB.seq:*

7: /cgn2_6/ptodata/1/pubpna/USO NEW_PUB.seq:*

8: /cgn2_6/ptodata/1/pubpna/USO NEW_PUB.seq:*

8: /cgn2_6/ptodata/1/pubpna/USO1 NEW_PUB.seq:*

9: /cgn2_6/ptodata/1/pubpna/USO1 NEW_PUB.seq:*

10: /cgn2_6/ptodata/1/pubpna/USO1 NEW_PUB.seq:*

11: /cgn2_6/ptodata/1/pubpna/USO1 NEW_PUB.seq:*

12: /cgn2_6/ptodata/1/pubpna/USO1 NEW_PUB.seq:*

13: /cgn2_6/ptodata/1/pubpna/USO1 NEW_PUB.seq:*

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15: /cgn2_6/ptodata/1/pubpna/USO1 NEW_PUB.seq:*
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11401.984 Million cell updates/sec
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(c) 1993 - 2006 Biocceleration Ltd.
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score greater than or equal to the score of the result beir and is derived by analysis of the total score distribution. is the number of results predicted by chance to have a ster than or equal to the score of the result being printed,

## SUMMARIES

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Sequence 806860, Sequence 806861,		Seguence 67042, A			Sequence 13440. A	Sequence 1845, Ap	Sequence 28, Appl	Sequence 24, Appl	Sequence 30, Appl	Sequence 13364, A	Sequence 2826, Ap	Sequence 346050,	Sequence 346051,	Sequence 717, App	Sequence 346049,	Sequence 917000,	Sequence 905501,	Description

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Sequence 163297, Sequence 860470, Sequence 655647,		000		Sequence 655645, Sequence 655646, Sequence 551984, Sequence 684565, Sequence 949120, Sequence 951830,	Sequence 61, Appl Sequence 60, Appl Sequence 851208, Sequence 82, Appl	, 337

## ALIGNMENTS

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CURRENT APPLICATION NUMBER: US/09/925,065A
CURRENT FILING DATE: 2001-08-08
PRIOR APPLICATION NUMBER: US 60/243,096
PRIOR PILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 60/252,147
PRIOR PILING DATE: 2000-11-20
PRIOR PILING DATE: 2000-11-30
PRIOR PILING DATE: 2000-11-30
PRIOR PILING DATE: 2001-01-66
PRIOR PILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: US 60/261,766
PRIOR APPLICATION NUMBER: US 60/261,766
PRIOR APPLICATION NUMBER: US 60/289,846
PRIOR PILING DATE: 2001-05-09
NUMBER OF SEQ ID NOS: 957086
SOPTWARE: PASTSEQ for Windows Version 4.0
SEQ ID NO 905501
LENGTH: 632
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; ORGANISM: Homo sapiens
US-09-925-065A-905501
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US-09-925-065A-905501
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APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
PILE REFERENCE: 108827.135
                                                                                                                                                                                                                                                                                             Query Match 10.5%; Score 631.6; DB 6; Length 632; Best Local Similarity 99.8%; Pred. No. 9.2e-05; Matches 631; Conservative 1; Mismatches 0; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 905501, Application US/09925065A Publication No. US20040181048A1
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ACGCCCGGCTAATTTTTGTATTGTTAGTAGAGATGGGGTTTCACCATATTAGCCCGGCTG
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WESULT 2
US-09-935-065A-917000/c

Sequence 917000, Application US/09925065A

Publication No. US20040181048A1

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Nucleotide Polymorphisms in the Human G.

FILE REFERENCE: 10827.135

CURRENT APPLICATION NUMBER: US/09/925,065A

CURRENT FILING DATE: 2001-08-08

PRIOR APPLICATION NUMBER: US 60/243,096

PRIOR PILING DATE: 2000-11-20

PRIOR APPLICATION NUMBER: US 60/252,147

PRIOR APPLICATION NUMBER: US 60/250,092

PRIOR APPLICATION NUMBER: US 60/250,092

PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR PILING DATE: 2001-01-16

PRIOR PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR PILING DATE: 2001-05-09

NUMBER OF SEQ ID NOS: 957086

SOFTWARE: PASSESQ for Windows Version 4.0

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LENGTH: 630

LENGTH: 630
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                                                                                                           Query Match
Best Local Similarity
Matches 629; Conserv
                                                                                                                                                                                   TYPE: DNA
ORGANISM: Homo sapiens
-09-925-065A-917000
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APPLICANT: Wang, David G.

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single

TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Gent

FILE REFERENCE: 108827.135

CURRENT APPLICATION NUMBER: US/09/925,065A

CURRENT FILING DATE: 2001-08-08

PRIOR APPLICATION NUMBER: US 60/243,096

PRIOR APPLICATION NUMBER: US 60/243,096

PRIOR APPLICATION NUMBER: US 60/252,147

PRIOR FILING DATE: 2000-11-20

PRIOR APPLICATION NUMBER: US 60/250,092

PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR APPLICATION NUMBER: US 60/289,846

PRIOR APPLICATION NUMBER: US 60/289,846

PRIOR APPLICATION NUMBER: US 60/289,846

PRIOR PILING DATE: 2001-05-09

NUMBER OF ESG ID NOS: 957086

SOFTWARE: FASTSEQ for Windows Version 4.0

1 ENGREL: 536049
                                                                                      ; TYPE: DNA; Homo sapiens; ORGANISM: Homo sapiens US-09-925-065A-346049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 3
US-09-925-065A-346049
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APPLICANT: Wang, David G.
  Best Local Similarity Matches 570; Conserv
                                         Query Match
                                                                                                                                                           LENGTH: 571
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ilarity 99.8%;
Conservative
  Score 570.6; DB 6;
Pred. No. 0.0011;
1; Mismatches 0;
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Query Match  9.4%; Score 566.2; DB 12; Length 16525;  Best Local Similarity 62.6%; Pred. No. 0.0001;  Matches 1201; Conservative 0; Mismatches 608; Indels 110; Gaps 16;  Oy 3164 TTTTATACTATATACAGTTGTTGCAGATACGTTGTAAGTGAAATATTTATACTCAAAAC 3223	99 2672 CUTTGGTCAGCTGTAAACCAACCCCCTTTGTAATGTCTCAGGTTTACTGC 2731 Db 1 CUTTGGTCAGCTGTAAACAACCACCAATTGTAATGTCTCAGGTTAACTGC 2731 Db 1 CUTTGGTCAGCTGTAAACAAATAGAATCGTTTAGACCAAACTGTGTTTCCACTCGAAGGT 2791 Db 121 GAGACCAATCAAAATAGAATAGAATTGTTTAGACCAAACTGTTTTCCACTGTGAAGGT 120 OY 2792 GAGTTGGCCAGGGCAGTTTGGAAATTATTCACAAACTGTTTTCTCTTTGGACGT 2791 Db 121 GAGACCAATCAAAATAGAATTGTTTAGACCAAACTGTTTTTCTCTTTGGACGT 2791 Db 121 GAGACCAATCAAAATAGAATTGTTTAGACCAAACTGTTTTTCTCTTTGGACGT 2791 Db 121 GAGACCAATCAAAATTGTTTCAAAGCCAATCATTATTCACAAGTTACTTCCAAAGTACTTCCTTC
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CURRENT APPLICATION NUMBER: US/09/925,065A
CURRENT FILING DATE: 2001-08-08
PRIOR APPLICATION NUMBER: US 60/243,096
PRIOR FILING DATE: 2000-10-24
PRIOR PILING DATE: 2000-11-20
PRIOR APPLICATION NUMBER: US 60/252,147
PRIOR APPLICATION NUMBER: US 60/250,092
PRIOR FILING DATE: 2000-11-30
PRIOR APPLICATION NUMBER: US 60/261,766
PRIOR APPLICATION NUMBER: US 60/261,766
PRIOR APPLICATION NUMBER: US 60/261,766
PRIOR APPLICATION NUMBER: US 60/269,846
PRIOR PILING DATE: 2001-01-16
PRIOR PILING DATE: 2001-05-09
NUMBER OF SEQ ID NOS: 957086
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 346051
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                                                                                                                                                                                                                                                                                                                                     Sequence 346051, Application US/09925065A Publication No. US20040181048A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                    APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Nucleotide Polymorphisms in the Huma
FILE REFERENCE: 108827.135
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; LENGTH: 545
; TYPE: DNA
; ORGANISM: Homo sa
US-09-925-065A-346051
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Best Local Similarity
Matches 543; Conserv
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Pred. No. 0.0034;
1; Mismatches 1
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Sequence 346550, Application US/09925065A

Publication No. US20040181048A1

GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Gent
FILE REFERENCE: 108827.135

CURRENT PILING DATE: 2001-08-08

PRIOR APPLICATION NUMBER: US/09/925,065A

CURRENT FILING DATE: 2000-10-24

PRIOR APPLICATION NUMBER: US 60/243,096

PRIOR APPLICATION NUMBER: US 60/252,147

PRIOR FILING DATE: 2000-11-20

PRIOR APPLICATION NUMBER: US 60/250,092

PRIOR APPLICATION NUMBER: US 60/250,092

PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR APPLICATION NUMBER: US 60/261,766

PRIOR APPLICATION NUMBER: US 60/289,846

PRIOR APPLICATION NUMBER: US 60/289,846

PRIOR APPLICATION NUMBER: US 60/289,846

PRIOR FILING DATE: 2001-01-16

PRIOR APPLICATION NUMBER: US 60/289,846

PRIOR FILING DATE: 2001-05-09

NUMBER OF SEQ ID NOS: 957086

SOFTWARE: FASTSEQ for Windows Version 4.0 US-09-925-065A-346050

Genome

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Sequence 2826, Application US/11136527

Publication No. US20050287570A1

GENERAL INFORMATION:
APPLICANT: Wyeth

APPLICANT: Wyeth

APPLICANT: Wyeth

ITILE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
FILE REFERENCE: 031986-041000 (AM101086)

CURRENT APPLICATION NUMBER: US/11/136,527

CURRENT FILING DATE: 2005-05-25

PRIOR APPLICATION NUMBER: US 60/574,294

PRIOR APPLICATION NUMBER: US 60/574,294

PRIOR FILING DATE: 2005-05-26

NUMBER: OF SEQ ID NOS: 362830

SOPTWARE: PatentIn version 3.2

LENGTH: 2068

TYPE: DA3
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US-11-136-527-2826
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; ORGANISM: Homo sapiens
US-09-925-065A-346050
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Best Local Similarity 99.4%;
Matches 542; Conservative
    Query Match
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LENGTH: 545
                                       TYPE: DNA
ORGANISM: Rattus norvegicus
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 Score 430.2;
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Pred. No. 0.0037;
 DB
 12;
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LENGTH: 86361
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(86361)

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APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: CREDETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CRUIOVASCULAR DISORDERS AND DRUG RES
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION UNMERS: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTMARE: FastSEQ for Windows Version 4.0
SEQ ID NO 13364
                                                                                                                                              Sequence 13364, Application US/10995561 Publication No. US20050272054A1 GENERAL INFORMATION:
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US-11-112-908-30
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CURRENT FILING DATE: 2005-04-22
PRIOR APPLICATION NUMBER: US 60/564,758
PRIOR FILING DATE: 2004-04-23
PRIOR APPLICATION NUMBER: US 60/575,978
PRIOR FILING DATE: 2004-06-01
PRIOR APPLICATION NUMBER: US 60/631,702
PRIOR PILING DATE: 2004-11-30
PRIOR FILING DATE: 2004-11-30
PRIOR PILING DATE: 2004-12-07
PRIOR PILING DATE: 2004-12-07
PRIOR FILING DATE: 2004-12-07
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Publication No.
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Best Local Similarity
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
-11-112-908-30
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APPLICANT: Davis, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFERENCE: 04-164-US
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                                                             GCGCCCGCCACCACGCCTGGCTAATTTTTGTÄTTTTTAGTÄGÄGATGGGGTTTCACCÄTÄ 113453
                                                                                    GCG------CACGCCCGGCTAATTTTTGTATTGTTAGTAGAGATGGGGTTTCACCATA 236
                                                                                                                                            TCCGCCTCCCAGGTTCAAGCAATTCTCCTGCCTCAGCCTCCCGAGTAGGTGGGACTACAG
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TGGTCTTGAACTCCTGACCTCAGGTGATCCACCCCACCTCAGCCTCCTAAAGTGCTGGGAT 306
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                                                                                                                                                                                                                                                                                                    Score 185.2; |
Pred. No. 74;
0; Mismatches
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Pred. No. 1.1e+02;
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CURRENT FILING DATE: 2005-04-22
PRIOR APPLICATION NUMBER: US 60/564,758
PRIOR FILING DATE: 2004-04-03
PRIOR APPLICATION NUMBER: US 60/575,978
PRIOR FILING DATE: 2004-06-01
PRIOR APPLICATION NUMBER: US 60/631,702
PRIOR APPLICATION NUMBER: US 60/631,702
PRIOR APPLICATION NUMBER: US 60/633,826
PRIOR APPLICATION NUMBER: US 60/633,826
PRIOR FILING DATE: 2004-12-07
NUMBER OF SEQ ID NOS: 511
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US-11-112-908-28
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; ORGANISM: Homo sapiens
US-11-112-908-24
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Publication No. US20050260659A1
GENERAL INFORMATION:
                                                                                                                                                                             Sequence 28, Application US/11112908 Publication No. US20050260659A1 GENERAL INFORMATION:
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Best Local Similarity
Matches 235; Conserv
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APPLICANT: Davis, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REFERENCE: 04-164-US
  CURRENT APPLICATION NUMBER: US/11/112,908
CURRENT FILING DATE: 2005-04-22
PRIOR APPLICATION NUMBER: US 60/564,758
PRIOR FILING DATE: 2004-04-23
PRIOR APPLICATION NUMBER: US 60/575,978
                                                                                                APPLICANT: Harris, Cole
APPLICANT: Davis, Lisa M.
TITLE OF INVENTION: Breast Cancer Biomarkers
FILE REPERENCE: 04-164-US
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27741 AGAGTGTTGCTCTGTCACCCAGATTGGAGTGCAGTGGCACAATCTCAGCTCACCGCAACC 125 TCTGCCTCCCAGGTTCAAGCAATTCTCCTGTCTCAGCCTCCCGGGTAGCTGGGACTACAG 184 65 AGGGTGAGGGTCTGTGTCTTACACCTACCTGTATGCTCTACACCTGAGCTCACTGCAACC 124 GIGCIGGGATTACAGGIGIGAGCCACCGIGCCCGGCCTGTTTIGACTCTTTTATGA 113569 GTGCTGGGATTACAGGCATGAGTCACCGCGCCCGGCCAAGGGTCAGTGTTTAATAA 352 GCG-----CACGCCCGGCTAATTTTTGTATTGTTAGTAGAGATGGGGTTTCACCATA 236 GTGCTGGGATTACAGGTGTGAGCCACCGTGCCCGGCCTGTTTTGACTCTTTTATGA 28036 GTGCTGGGATTACAGGCATGAGTCACCGCGCCCGGCCAAGGGTCAGTGTTTAATAA 352 GCGCCCGCCACCACGCCTGGCTAATTTTTGTATTTTTAGTAGAGATGGGGTTTCACCATA 27920 TCCGCCTCCCAGGTTCAAGCAATTCTCCTGCCTCAGCCTCCCGAGTAGGTGGGACTACAG 27860 DB 12; Indels Length 150314; 8 Gaps 27800

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APPLICANT: OTSÚKA, KAORU
APPLICANT: NAGAL, KEIICHI
APPLICANT: IRIE, RYOTARO
APPLICANT: TAMECHIKA, ICHIRO
APPLICANT: SEKI, NAOHIKO
APPLICANT: SEKI, NAOHIKO
APPLICANT: SEKI, NAOHIKO
APPLICANT: OTSUKA, MOTOYUKI
APPLICANT: OTSUKA, MOTOYUKI
APPLICANT: MASUHO, YASUHIKO
ITITLE OF INVENTION: NOVES: US/11/072,512
CURRENT APPLICATION NUMBER: US/11/072,512
CURRENT FILING DATE: 2005-03-07
PRIOR APPLICATION NUMBER: US 60/350,978
PRIOR FILING DATE: 2002-01-25
PRIOR FILING DATE: 2001-11-05
NUMBER OF SEO ID NOS: 4096
SOFTWARE: PATENTIN VET. 2.1
SEO ID NO 1845
LENGTH: 1744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; PRIOR FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/631,702
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR APPLICATION NUMBER: US 60/633,826
; PRIOR FILING DATE: 2004-12-07
; NUMBER OF SEQ ID NOS: 511
; SOFTWARE: PATENTIN Version 3.3
; SEQ ID NO 28
; SEQ ID NO 28
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US-11-072-512-1845/c
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Best Local Simi
Matches 235;
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APPLICANT:
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APPLICANT:
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Local Similarity 79.4%;
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OTSUKI, TETSUJI
WAKAMATSU, AI
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YAMAMOTO, JUN-ICHI
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Pred. No. 67;
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; ORGANISM: Homo sapiens
US-11-072-512-1845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 13440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 13440, Application US/10995561
Publication No. US20050272054A1
GENERAL INFORMATION:
APPLICANT: CARGILL, Michele et al.
                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 256; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 3.1%;
Best Local Similarity 81.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: GENETIC FOLYMORPHISMS ASSOC:
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AI
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
FULL REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
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     9463
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                                                                                         GCCTCCCAGGTTCAAGCAATTCTCCTGTCTCAGCCTCCCGCGTAGCTGGGACTACAGGCG
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                                 CTGGGATTACAGGCATGAGTCACCGCGCCCGGCCAAGGGTCAGTGTTTAATAAGGAATAA 359
                                                                                                                                          CCTGTCACTATGCCTAATTTTTATATTTTTAGTAGAGATGGGGTTTCACCAAGTTG
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ĊTĠĠĠĀŢŢĀĊĀĠĠĊĀŢŢĀĠĊĊĀĊŢĠĊĠĊĊĊĠĠĊĊĀĀCŖĀŤŢĊŖŖĄŢĊŢŢĀŖĊĀŖĄĊĀŖŖĀ
                                                                     GCCAGGCTGGTCTTGAACTCCTGACCTCAAGTGATCCACCCTCCTCGGCCTCCCAAAGTG
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ilarity 71.9%;
Conservative
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GENETIC POLYMORPHISMS ASSOCIATED WITH
CARDIOVASCULAR DISORDERS AND DRUG RE
                                                                                                                                                               -ACGCCCGGCTAATTTTTGTATTGTTAGTAGAGATGGGGTTTCACCATATTA
                                                                                                                                                                                                                                                                                                                                                          Score 184; DB 8; ]
Pred. No. 1.5e+02;
1; Mismatches 91;
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Pred. No. 2.1e+03;
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RESULT 15
US-09-925-065A-127303
US-09-925-065A-127303, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
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US-10-995-561-13274
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APPLICANT: CARGILL, Michele et al.
APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS:
TITLE OF INVENTION: DETECTION AND USES THEREOF
FILE REFERENCE: CL001559
CURRENT APPLICATION NUMBER: US/10/995,561
CURRENT APPLICATION UMBER: US/10/995,561
CURRENT FILING DATE: 2004-11-24
NUMBER OF SEQ ID NOS: 85702
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 13274
LENGTH: 415117
TYPE: DNA
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APPLICATION DAVID G.

APPLICATE OF INVENTION: Identification and Mapping of Single
TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
FILE REFERENCE: 108827.135
CURRENT APPLICATION NUMBER: US/09/925,065A
CURRENT FILING DATE: 2001-08-08
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 60/243,096
PRIOR APPLICATION NUMBER: US 60/252,147
PRIOR APPLICATION NUMBER: US 60/252,147
PRIOR FILING DATE: 2000-11-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 241; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables
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                                                                                                                                                                                                                                                                                                                                                                                            TAACTTGAATGGTTT 371
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Pred. No. 36;
0; Mismatches
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; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILLING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILLING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILLING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 127303
; LENGTH: 560
; TYDE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-127303
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Best Local Similarity
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299
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                                                                                                                                                    GAGATGGGGTTTCACCATATTAGCCCGGCTGGTCTTGAACTCCTGACCTCAGGTGATCCA
                                                                                                                                                                                               TGAGTAGCTGGGATTACAGGCACATGCCACGCCTGGCTAATTTTTTGTATTTTTAGTA
 TCCACATTTCTATCAACAGTCTCTTTAAGG
                             GTCAGTGTTTAATAAGGAATAACTTGAATG 367
                                                               CCCGCCTCAGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACAGCGCCCAGCTAATG
                                                                                  CCCACCTCAGCCTCAAAGTGCTGGGATTACAGGCATGAGTCACCGCGCCCGGCCAAGG
                                                                                                                              GAGACGGGGTTTCACCATGTTGGCCAGGCTGGTCTTGAACTCCTGACCTCAAGTTATCCA
                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                               82.2%;
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                                                                                                                                                                                                                                                                                                                                               Score 181.2; DB (
Pred. No. 5.7e+03)
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 328
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Gaps

178

217

277

238

298 337

Search completed: March Job time : 1234 secs 24, 2006, 02:39:02